

# MMWR

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## World AIDS Day -December 1, 2008

December 1 is World AIDS Day. Begun in 1998, World AIDS Day draws attention to the current status of the human immunodeficiency virus/acquired immunodeficiency syndrome (HIV/AIDS) pandemic. According to the Joint United Nations Programme on HIV/AIDS, in 2007, approximately 33 million persons worldwide were living with HIV, 2.7 million were newly infected, and 2 million died from AIDS-related causes (1).

In 2006, an estimated 1.1 million persons in the United States were living with HIV (2), and 56,300 were newly infected (3). HIV infection in the United States disproportionately affects blacks, Hispanics, and men (of all races/ethnicities) who have sex with men (2–4). During 2006, the rates of new infections in the United States were estimated to be 83.8 per 100,000 population among blacks, 29.4 per 100,000 among Hispanics, and 11.5 per 100,000 among whites (3).

Information about World AIDS Day is available at http://www.cdc.gov/features/worldaidsday. Information about CDC's international HIV/AIDS program is available at http://www.cdc.gov/globalaids. Information about CDC's domestic HIV/AIDS program is available at http://www.cdc.gov/hiv.

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## Progress Toward Strengthening Blood Transfusion Services — 14 Countries, 2003–2007

Nearly all persons transfused with human immunodeficiency virus (HIV)-infected blood become infected (1-3), and blood transfusions are a substantial source of HIV transmission in sub-Saharan Africa, especially among women and children (4,5). Since 2004, the U.S. President's Emergency Plan for AIDS Relief (PEPFAR) has provided technical and financial support to strengthen national blood transfusion services in 14 countries in Africa and the Caribbean with high prevalence of HIV infection.\* PEPFAR has supported efforts to improve blood supply adequacy and safety by providing policy guidance, strengthening laboratory infrastructure, and enhancing blood donor recruitment and retention practices. To assess the progress made by these countries with PEPFAR support, CDC analyzed data collected by national blood transfusion services in the 14 countries during 2003-2007. This report summarizes the results of that analysis, which found that 1) national policies had been established in 12 of the 14 countries; 2) the number of whole blood units collected had increased in all 14 countries; 3) the percentage of collections from voluntary, non-remunerated donors<sup>†</sup> had increased; and 4) the percentage

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<sup>\*</sup> Botswana, Côte d'Ivoire, Ethiopia, Guyana, Haiti, Kenya, Mozambique, Namibia, Nigeria, Rwanda, South Africa, Tanzania, Uganda, and Zambia. PEPFAR has directly funded national blood transfusion services in all 14 countries though CDC cooperative agreements.

<sup>†</sup> Persons who donate blood solely for altruistic reasons and who receive no compensation. Designation of voluntary, non-remunerated status was determined by blood center staff members based on national blood policy.

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of collected blood units reactive for HIV had decreased in 13 of the 14 countries. Since the start of the PEPFAR initiative, progress toward improving safe and adequate supplies of blood has been made in the 14 countries with high prevalence of HIV infection.

## **Global Blood Safety**

Globally, approximately 80 million units of blood are donated each year (6). Of this total, 2 million units are donated in sub-Saharan Africa, where the need for blood transfusions is great because of maternal morbidity, malnutrition, and a heavy burden of infectious diseases such as malaria. In 2004, blood collections in most of the 14 PEPFAR-supported countries did not satisfy clinical demand. Inadequacy of the blood supply in many African countries was compounded by inconsistent laboratory screening for HIV infection and collection of blood from donors at greater risk for HIV infection (6). Collections often were coordinated by hospital-based services that frequently relied on paid donors or replacement donors (e.g., family members of patients) who typically were at greater risk for HIV infection and, because of external pressures to donate, might not have revealed their behavioral risks for HIV during donor selection (4,7,8). HIV screening of donor blood in nonstandardized laboratories without quality assurance further increased the risk for transfusion-associated HIV transmission (4).

In resource-limited settings, blood is collected most commonly in whole blood units. The World Health Organization (WHO) estimates that resource-limited countries should begin to fulfill baseline clinical demand if 10-20 whole blood units per 1,000 population are collected each year (9). To improve blood supply adequacy and transfusion safety, WHO has recommended that resource-limited countries adopt comprehensive national policies for national blood transfusion services (5).

## **PEPFAR Indicators**

In 2006, a team of international blood safety experts developed a set of indicators to support routine monitoring and evaluation of PEPFAR projects. Indicator data related to blood supply adequacy and safety are compiled by staff members at regional centers where blood is collected, screened, and distributed. Collectively, these regional centers make up each national blood transfusion service. On a regular basis, data are

<sup>§</sup> Key elements of WHO recommendations are 1) establishment of a nationally coordinated blood transfusion service empowered by a legislative framework; 2) collection of blood exclusively from voluntary, non-remunerated donors; 3) implementation of universal, quality-assured HIV screening of donor blood; and 4) reduction of unnecessary blood transfusions.

transferred to national blood transfusion service headquarters; these data are aggregated quarterly and shared with CDC, which uses them for ongoing programmatic evaluation.

In 2008, national blood services in the 14 countries transferred data for the period 2003–2007 to CDC, where the data were analyzed by country and by year. The four indicators analyzed for this report address key elements in the WHO recommendations: 1) status of national policies and legislative frameworks for national blood transfusion services; 2) percentage of blood collections from voluntary, non-remunerated donors; 3) number of whole blood units collected and number collected per 1,000 population\*\*; and 4) percentage of blood collections reactive for HIV.

In 2003, national policies to ensure the adequacy and safety of the blood supply were in place in six of the 14 countries, and national blood transfusion services were operating under a legislative framework in four of the 14 countries. By 2007, national policies had been established in six more countries and were in development in the two remaining countries; legislative frameworks to support the national policies had been enacted in one additional country and were in development in six other countries (Table 1). During 2003-2007, national blood transfusion services in all 14 countries had increased total collections of whole blood units and, in 11 countries, had increased collection rates per 1,000 population. In 2003, collections in South Africa were already within the WHOrecommended range of 10-20 whole blood units per 1,000 population. By 2007, the collection rate in Botswana also was within that range (Table 1).

In 2003, in five of the 14 countries, 100% of blood collections by national blood transfusion services were from voluntary, non-remunerated donors. By 2007, the number of countries meeting this criterion had increased to six. In addition, by 2007, the percentage of collections from such donors had increased in six other countries (Table 2). In 13 of the 14 countries, the percentage of collected blood units that were HIV reactive in 2007 had decreased from the first year of reporting (Table 2).

Reported by: J Pitman, MPH, L Marum, MD, Global AIDS Program; S Basavaraju, MD, A McIntyre, PhD, EIS officers, CDC.

**Editorial Note:** This report marks the first analysis of PEPFAR indicators to assess progress in blood supply adequacy and blood transfusion safety in the 14 resource-limited countries targeted by PEPFAR. By providing legislative authority to national blood transfusion services, governments have taken

action to improve blood supply adequacy, avert transfusion-transmitted HIV infections, and sustain blood safety programs. Increases in the number of whole blood units collected by national blood transfusion services in all 14 countries indicate improved adequacy of blood supplies. Increasing the amount of blood supplied to health-care facilities also reduces the need for hospitals to collect from replacement donors, which reduces the risk for HIV transmission (8).

In addition to implementing universal HIV screening of donated blood units, the risk for HIV transmission can be decreased further by restricting blood donations to volunteer, non-remunerated donors. Human error can occur during screening, laboratory false negatives for HIV can occur, and transmission from the donor can occur during the window period (i.e., the interval after infection during which an HIV test might be nonreactive because neither the p24 antigen nor antibodies are at detectable levels) (4). In certain countries, a decrease in the percentage of the population with HIV infection might have contributed to a decrease in the percentage of collected blood units reactive for HIV. However, the continued decrease in HIV reactivity among collected blood units in countries with high prevalence of HIV infection suggests that an improved process for selecting donors is in place. Since 2004, PEPFAR technical assistance has included training of blood donor recruiters and development of standardized behavioral risk questionnaires with more stringent criteria for excluding donors. These measures might have contributed to reductions in the percentage of collected blood units reactive for HIV even in countries where 100% of blood collections are from voluntary, non-remunerated donors. To improve safety further, national blood transfusion services are working to retain voluntary, non-remunerated donors through comprehensive behavioral and educational HIV prevention programs that encourage healthy lifestyles. One example is Club 25, in which participants pledge to donate blood 20 times by age 25 years or to make 25 lifetime donations. ††

The findings in this report are subject to at least two limitations. First, totals of whole blood unit collections did not include blood units collected outside of national blood transfusion service networks. These outside collections are not quantifiable; as a result, national estimates of blood unit collections per 1,000 population likely are underestimated. Second, national blood services have different algorithms for screening donor blood, which include combined p24 antigen and HIV antibody assays and, in certain countries, nucleic acid testing. Although these assays have comparable sensitivities and specificities, they differ in window periods before detection

<sup>9</sup> Nigeria and Tanzania established their national blood transfusion services in 2004; the first year with 12 complete months of data available was 2005. In Ethiopia, data were available on blood collections and voluntary, non-remunerated donors beginning in 2003 and on HIV reactivity beginning in 2004.

<sup>\*\*</sup> Based on United Nations Population Division census estimates for 2003-2007.

<sup>††</sup> Additional information available at http://www.ifrc.org/youth/activities/ club25/index.asp and http://africanclub25society.com/main.htm.

TABLE 1. Status of national blood transfusion policies and legislative frameworks,\* number of whole blood units collected, and number collected per 1,000 population — U.S. President's Emergency Plan for AIDS Relief, 14 countries, 2003-2007

|                       | -    | stablished<br>tional policy |      | ted legislative ramework | No      | o. of whole | e blood ur | nits collec | ted     | No. of | whole bi | lood uni<br>popula |       | cted pe |
|-----------------------|------|-----------------------------|------|--------------------------|---------|-------------|------------|-------------|---------|--------|----------|--------------------|-------|---------|
| Country               | 2003 | 2007                        | 2003 | 2007                     | 2003    | 2004        | 2005       | 2006        | 2007    | 2003   | 2004     | 2005               | 2006  | 2007    |
| Botswana              | Yes  | Yes                         | No   | No                       | 11,583  | 13,210      | 20,643     | 21,061      | 22,230  | 6.4    | 7.3      | 11.2               | 11.2  | 11.6    |
| Côte d'Ivoire         | Yes  | Yes                         | Yes  | Yes                      | 67,780  | 77,972      | 86,321     | 86,082      | 92,009  | 3.8    | 4.3      | 4.6                | 4.5   | 4.8     |
| Ethiopia§             | No   | Yes                         | No   | No                       | 17,208  | 17,941      | 19,203     | 21,019      | 22,220  | 0.2    | 0.2      | 0.2                | 0.3   | 0.3     |
| Guyana                | Yes  | Yes                         | No   | In development           | 4,008   | 4,896       | 4,531      | 5,192       | 5,475   | 5.4    | 6.6      | 6.1                | 7.1   | 7.5     |
| Haiti                 | No   | Yes                         | No   | In development           | 8,711   | 9,513       | 10,823     | 13,622      | 17,094  | 1.0    | 1.0      | 1.2                | 1.4   | 1.8     |
| Kenya                 | Yes  | Yes                         | Yes  | Yes                      | 40,857  | 47,661      | 80,762     | 113,080     | 123,787 | 1.2    | 1.4      | 2.3                | 3.1   | 3.3     |
| Mozambique            | No   | In development              | No   | In development           | 67,105  | 69,648      | 76,667     | 72,170      | 79,925  | 3.4    | 3.5      | 3.8                | 3.5   | 3.8     |
| Namibia               | No   | Yes                         | No   | In development           | 17,860  | 19,154      | 19,133     | 18,422      | 18,309  | 9.1    | 9.6      | 9.5                | 9.0   | 8.9     |
| Nigeria¶              | No   | Yes                         | No   | Yes                      | ****    | _           | 1,266      | 5,519       | 16,987  | _      | -        | < 0.1              | < 0.1 | 0.1     |
| Rwanda                | No   | Yes                         | No   | No                       | 30,786  | 28,777      | 37,893     | 38,539      | 32,543  | 3.5    | 3.2      | 4.1                | 4.1   | 3.3     |
| South Africa**        | Yes  | Yes                         | Yes  | Yes                      | 809,322 | 813,239     | 805,923    | 822,950     | 821,258 | 17.3   | 17.2     | 16.9               | 17.2  | 17.0    |
| Tanzania <sup>¶</sup> | No   | Yes                         | No   | In development           | _       | _           | 12,597     | 63,411      | 109,471 | _      | _        | 0.3                | 1.6   | 2.7     |
| Uganda                | Yes  | Yes                         | Yes  | Yes                      | 102,703 | 106,996     | 115,988    | 122,442     | 133,585 | 3.8    | 3.8      | 4.0                | 4.1   | 4.3     |
| Zambia                | No   | In development              | No   | In development           | 40,616  | 38,477      | 61,982     | 54,308      | 68,056  | 3.7    | 3.4      | 5.4                | 4.6   | 5.7     |

\* As described in: World Health Organization, Aide-memoire for national blood programmes, Geneva, Switzerland: World Health Organization; 2002. Available at http://www.who.

int/bloodsafety/transfusion\_services/en/Blood\_Safety\_Eng.pdf.

Based on United Nations Population Division census estimates for 2003–2007.
 Ethiopia Red Cross Society is the designated national blood transfusion service.
 Nigeria and Tanzania established their national blood transfusion services in 2004. The first year with 12 complete months of data available was 2005.

\*\* Includes data from South Africa National Blood Service and Western Province Blood Service

TABLE 2: Estimated percentage of persons aged 15-49 years with human immunodeficiency virus (HIV) infection, percentage of blood collections reactive for HIV, and percentage of collections from voluntary, non-remunerated donors — U.S. President's Emergency Plan for AIDS Relief, 14 countries, 2003-2007

|                       |      | sons with<br>ection* | % 0   | f blood co | llections re | eactive for | HIV  | % of blo |      | ions receiv<br>munerated |      | oluntary, |
|-----------------------|------|----------------------|-------|------------|--------------|-------------|------|----------|------|--------------------------|------|-----------|
| Country               | 2001 | 2007                 | 2003  | 2004       | 2005         | 2006        | 2007 | 2003     | 2004 | 2005                     | 2006 | 2007      |
| Botswana              | 26.5 | 23.9                 | 7.5   | 5.7        | 4.0          | 2.7         | 2.1  | 100      | 100  | 100                      | 100  | 100       |
| Côte d'Ivoire         | 6.0  | 3.9                  | 1.6   | 1.4        | 1.5          | 1.4         | 1.2  | 100      | 100  | 100                      | 100  | 100       |
| Ethiopia <sup>†</sup> | 2.4  | 2.1                  | _     | 3.6        | 3.4          | 2.5         | 3.0  | 38.8     | 27.5 | 23.2                     | 28.1 | 28.4      |
| Guyana                | 2.5  | 2.5                  | 0.8   | 0.6        | 1.0          | 0.6         | 0.3  | 21.7     | 18.9 | 26.1                     | 31.2 | 61.1      |
| Haiti                 | 2.2  | 2.2                  | 1.7   | 1.8        | 1.6          | 1.9         | 1.4  | 5.2      | 5.4  | 14.9                     | 27.4 | 51.9      |
| Kenya                 | 8.1  | 7.89                 | 1.5   | 1.7        | 1.9          | 2.5         | 1.2  | 99.0     | 95.3 | 97.6                     | 98.9 | 99.5      |
| Mozambique            | 10.3 | 12.5                 | 8.6   | 6.9        | 6.4          | 8.3         | 7.2  | 58.0     | 58.3 | 59.6                     | 52.0 | 72.3      |
| Namibia               | 14.6 | 15.3                 | 0.7   | 0.6        | 0.6          | 0.5         | 0.6  | 100      | 100  | 100                      | 100  | 100       |
| Nigeria <sup>¶</sup>  | 3.2  | 3.1                  | _     | _          | 3.8          | 3.5         | 2.5  |          |      | 100                      | 100  | 92.3      |
| Rwanda                | 4.3  | 2.8                  | 1.1   | 0.1        | 1.2          | 0.9         | 0.5  | 100      | 100  | 100                      | 100  | 100       |
| South Africa**        | 16.9 | 18.1                 | < 0.1 | < 0.1      | < 0.1        | < 0.1       | 0.1  | 100      | 100  | 100                      | 100  | 100       |
| Tanzania <sup>¶</sup> | 7.0  | 6.2                  | _     | _          | 4.8          | 3.2         | 2.8  | _        | _    | 66.5                     | 80.0 | 89.2      |
| Uganda                | 7.9  | 5.4                  | 2.0   | 1.9        | 1.6          | 1.5         | 1.3  | 95.5     | 96.3 | 99.0                     | 99.9 | 100       |
| Zambia                | 15.4 | 15.2                 | 6.9   | 6.4        | 9.0          | 6.4         | 3.8  | 72.7     | 71.2 | 90.6                     | 97.9 | 99.6      |

Estimates from the Joint United Nations Programme on HIV/AIDS (UNAIDS), available at http://data.unaids.org/pub/globalreport/2008/jc1510\_2008\_ global\_report\_pp211\_234\_en.pdf. Because UNAIDS methodology used to estimate 2003 prevalence was different from the methodology used for 2007, data are presented for 2001, the most recent pre-program year for which the same methodology was used as for 2007.

† Ethiopia Red Cross Society is the designated national blood transfusion service.

§ Preliminary estimate.

Nigeria and Tanzania established their national blood transfusion services in 2004. The first year with 12 complete months of data available was 2005.

\*\* Includes data from South Africa National Blood Service and Western Province Blood Service. Autologous donations and collections from designated donors are reported as donations from voluntary, non-remunerated donors.

of recent HIV infection (10). Screening assays with shorter window periods might identify more reactive units, resulting in higher percentages of HIV reactivity; however, the differences in window periods are relatively small and likely to produce only minimal effects on the results of this analysis.

PEPFAR has supported efforts to address the WHO recommendations for national blood transfusion services, including facilitation of technical meetings, publication of countryspecific blood safety program policies and guidelines, and collaborations with ministries of health to enact appropriate legislation. National blood transfusion services and donor recruitment organizations have worked together to increase collections of blood from voluntary, non-remunerated donors. Other efforts have focused on supplying laboratory equipment

and providing training to standardize quality-assured HIV screening. National blood transfusion services now screen donor blood using combined p24 antigen and HIV antibody assays; Namibia and South Africa also screen using nucleic acid testing.

Substantial progress has occurred toward improving blood transfusion services in the 14 PEPFAR-supported countries with high prevalence of HIV infection. With reauthorization of PEPFAR by Congress in July 2008, national blood transfusion services in the supported countries will continue to work toward improving the adequacy and safety of blood supplies.

### Acknowledgments

This report is based on contributions by national blood transfusion services in 14 PEPFAR-supported countries and their respective CDC Global AIDS Program country offices and PEPFAR-funded technical assistance partners.

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## Multistate Outbreak of Salmonella Infections Associated with Frozen Pot Pies — United States, 2007

On June 6, 2007, a cluster of four human Salmonella serotype I 4,5,12:i:-\* infections sharing a pulsed-field gel electrophoresis (PFGE) pattern was identified by the Pennsylvania Department of Health and reported to PulseNet.† Initial investigations conducted during June-September 2007 by state and local health departments in collaboration with CDC did not identify a source of infection. This report summarizes the results of subsequent investigations of the outbreak, which determined that 401 cases of salmonellosis occurred in 41 states during 2007, with 32% of ill persons hospitalized. A multistate casecontrol study conducted during October 3-13 indicated that illness was associated with consumption of Banquet® brand frozen, not-ready-to-eat pot pies (odds ratio = 23.6; p<0.001). Further investigation determined that 77% of patients who ate these pies cooked them in microwave ovens and that consumer confusion regarding microwaving instructions might have resulted in a failure to cook the product properly. A voluntary recall was issued by the manufacturer (ConAgra Foods Inc., Omaha, Nebraska) on October 11, 2007, for all nine brands of pot pies produced at the implicated plant (plant A). The outbreak strain was isolated from 13 samples of unopened Banquet pot pies collected from the homes of patients. This outbreak highlights the need to cook not-ready-to-eat frozen foods thoroughly; these products should be clearly labeled as requiring complete cooking, and cooking instructions should be validated to account for variability in microwave wattage and common misconceptions among consumers regarding the nature of not-ready-to-eat foods.

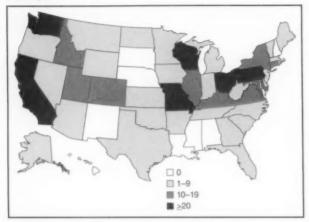
## **Epidemiologic Investigation**

An outbreak case was defined as infection with a *Salmonella* strain with the specific outbreak PFGE pattern and illness onset during January 1–December 31, 2007. During this period, a total of 401 outbreak cases from 41 states were identified (Figure 1). The median age of patients was 20 years (range: 1 month–97 years); 50% of the patients were female. Date of illness onset, known for 336 patients, ranged from February 20 to December 11, 2007, with a peak in September. Of patients with available information, 144 (50%) of 289 had bloody diarrhea, and 108 (32%) of 338 were hospitalized.

<sup>\*</sup>These four isolates were originally reported as serotype Typhimurium but later were determined to be serotype I 4,5,12:i:-.

<sup>†</sup> PulseNet is the national molecular subtyping network for foodborne infections.

FIGURE 1. Number of confirmed cases (N = 401) of infection with the outbreak strain\* of Salmonella I 4,5,12:i:- — United States, 2007



\* Defined by pulsed-field gel electrophoresis pattern.

## **Case-Control Study**

State and local health departments in collaboration with the CDC began the outbreak investigation on June 26, 2007. Interviews conducted over several months revealed frequent consumption of various chicken and egg food items. On October 3, 2007, a case-control study was initiated to ascertain the specific source of infections. Cases included Salmonella infections with the outbreak PFGE pattern in a resident of a participating state aged ≥2 years with no ill contacts and illness onset during August 1-October 3. Households with persons that could serve as age-group and neighborhood-matched controls were identified by an Internet-based reverse-address telephone directory. Investigators sequentially called telephone numbers until one to three persons with no diarrhea during the previous 2 weeks in the same age group as the case-patient were willing to serve as controls (or had caregivers willing to respond on their behalf). The exposure periods queried were 1 week before illness onset for case-patients and 1 week before interview for controls. As part of this study, epidemiologists from the Minnesota Department of Health (MDH) interviewed four case-patients who resided in Minnesota using the Minnesota standardized foodborne illness report form, a routine MDH practice. By October 4, the Minnesota epidemiologists reported that all four case-patients had consumed Banquet pot pies during the week before illness onset. After MDH notified CDC's OutbreakNet team of this finding, specific questions regarding pot pie consumption were included in the case-control study.

Of 48 eligible case-patients, 35 were enrolled. Six of these 35 were excluded because of exposure to other persons with diarrhea. Of the remaining 29, at least one matched control was enrolled for 17 case-patients. Data collected on the 17 matched sets were analyzed using exact conditional logistic regression (1). Measures of association between exposures and illness were calculated, using maximum likelihood estimates when available and median unbiased estimates when maximum likelihood estimates did not exist in the presence of complete data separation (2).

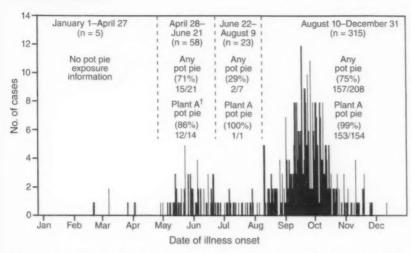
Case-patients were significantly more likely than controls to have eaten a Banquet pot pie (71% versus 0%, exact matched odds ratio [mOR] = 23.6 [median unbiased estimate], 95% confidence interval [CI] = 3.8–infinity). Banquet turkey pot pies were the only variety of Banquet pot pies associated with illness (29% exposure among case-patients versus 0% exposure among controls, mOR = 9.2 [median unbiased estimate], CI = 1.2–infinity). None of the remaining 67 exposures evaluated were associated with illness.

## **Pot Pie Consumption by Case-Patients**

After the case-control study was completed, attempts were made to interview as many of the total 401 case-patients as possible using standardized forms focused on frozen food exposures. Of 236 case-patients for whom pot pie exposure information was collected, 174 (74%) reported consuming a frozen not-ready-to-eat pot pie during the week before illness onset. Most of these patients could name the brand or brands of pot pie consumed: 155 (92%) ate Banquet, three (2%) ate Banquet or another brand produced on the same production line at plant A, eight (5%) reported eating either Banquet or a non-recalled brand (i.e., a brand not recalled by the manufacturer), and three (2%) ate a non-recalled brand. A similar frequency of plant A pot pie consumption was observed among case-patients with illness onsets during April 28-June 21 as for those with onsets during August 10-December 31; exposure information was limited for other periods (Figure 2).

Banquet pot pie microwave instructions might have been confusing because different parts of the package recommended different preparation times. Furthermore, instructions for microwaving time varied by wattage. Of 133 patients interviewed, 102 (77%) cooked pot pies in a microwave. Of 78 patients who used a home microwave, only 23 (29%) reported knowing the wattage. Of eight patients who used a microwave outside the home, one (13%) knew the wattage. Forty-eight (68%) of 71 who responded did not let pies stand the full recommended time after microwaving, and 16 (19%) of 84 cooked more than one pie simultaneously, indicating that many patients did not follow microwaving instructions.

FIGURE 2. Number of confirmed cases (N = 401)\* of infection with the outbreak strain of Salmonella I 4,5,12:i:-, by date of illness onset and percentage of patients interviewed who reported frozen pot pie consumption during four selected periods — United States. 2007



<sup>\*</sup> Cases for which date of illness onset was reported (n = 336) or estimated as 3 days before the reported date of culture (n = 65).

f Includes pot pies reported as Banquet brand and/or another brand not produced in plant A.

# Voluntary Recalls and Environmental Investigations

On October 8, 2007, plant A suspended production of pot pies. On October 9, CDC and the U.S. Department of Agriculture's Food Safety and Inspection Service posted recommendations advising consumers not to eat pot pies with a production code ending in "P9," signifying a poultry-containing pie produced in plant A, the only plant that produces Banquet pot pies. On October 10, the advisories were expanded to include pies with production codes ending in "Est1059," signifying a beef-containing pot pie produced in plant A, because many patients could not report the exact meat in the pot pies consumed and some reported potentially having consumed Banquet beef pot pies. On October 11, ConAgra Foods issued a voluntary recall of all nine brands of pot pies produced in plant A. Before resuming production of these products, the manufacturer amended labeling and instructions. §

The outbreak strain was isolated from 13 unopened Banquet pot pies collected from the homes of patients. All pies that tested positive contained turkey, and all had production dates of July 13 or 31, 2007. Two of these pies underwent separate testing of the crust and filling. The filling tested positive and the crust tested negative for both pies.

Plant A produces approximately 1 million pot pies daily. Banquet pot pies are distributed nationally and account for approximately 75% of the national value-priced pot pie market. Plant A also is the sole producer of identical pot pies packaged under various store brands.

Reported by: S Meyer, MPH, K Smith, DVM, Minnesota Dept of Health. I Azzam, MD, R Sowadsky, MSPH, Nevada State Dept of Health. IT Williams, PhD, O Henao, PhD, T Nguyen, MPH, J Austin, S Van Duyne, MS, Div of Foodborne, Bacterial, and Mycotic Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases; R Mody, MD, EIS Officer, CDC.

**Editorial Note:** In this outbreak, 401 cases of *Salmonella* I 4,5,12:i:- infection were reported. However, for every reported case of *Salmonella* infection, an estimated 38 additional cases are not detected or reported (3). Therefore, many more persons might have been ill as a result of this outbreak. Consumption of Banquet pot pies was associated with illness, and testing of Banquet turkey pot pies collected from patients' homes yielded the outbreak strain. Mass food distribution can lead to widely distributed outbreaks, underscoring the importance of coupling laboratory-based surveillance of foodborne infections at the molecular subtype level with interviewing of patients to detect, solve, and truncate outbreaks.

The initial evidence that Banquet pot pies were the outbreak vehicle was acquired by MDH through the routine practice of combining data from PFGE subtyping of all Salmonella isolates and rapid interviewing of all patients. At MDH, these interviews used detailed food exposure questions to obtain open-ended histories, brand names, and purchase locations. Cross-referencing exposures identified in initial interviews and using an iterative approach to reinterview patients about suspicious exposures led to rapid identification of the possible outbreak vehicle.

<sup>&</sup>lt;sup>9</sup> A label in large font on the front of the box that read "Ready in 4 Minutes" was changed to "Microwavable – Must be cooked thoroughly. See back for directions." On the back of the box, improvements to the microwave cooking instructions included statements 1) advising the consumer to cook only one pot pie at a time, 2) advising the consumer not to use less than a 1,100-watt microwave to cook the pot pies, and 3) indicating that internal temperature of the pies needs to reach 165°F (74°C) as measured by a food thermometer in several spots.

Value-priced frozen pot pies typically cost approximately \$0.50, whereas premium frozen pot pies typically cost approximately \$3.50.

Frozen, not-ready-to-eat microwavable meals have been reported previously as vehicles in salmonellosis outbreaks. Raw chicken nuggets and chicken strips were associated with *Salmonella* infections in a 1998 Australian outbreak and in Canadian studies of sporadic infections performed in 2003 (4–7). Stuffed chicken products were implicated in five outbreaks in Minnesota during 1998, 2005, 2006, and 2008 (MDH, unpublished data, 2008). Consumer confusion regarding the raw or cooked nature of these products was documented in these reports; products were not clearly labeled as containing raw poultry ingredients, and they were breaded and prebrowned, leading to the perception that they were precooked (6,7; MDH, unpublished data, 2008).

This outbreak differs from previously reported outbreaks with frozen, not-ready-to-eat food vehicles in that all meat ingredients were intended to be precooked before leaving plant A. However, the pot pies associated with this outbreak had a raw flour crust and were not-ready-to-eat, which allows consumers to prepare the food item to the level of doneness they prefer but also requires consumers to ensure that minimum cooking temperatures are reached to control microbiologic hazards. Furthermore, because raw frozen poultry pastes used to make the liquid portion of the chicken and turkey pie fillings enter plant A, pies might have contained undercooked poultry or been cross-contaminated from these raw poultry pastes, which often harbor Salmonella. Despite an intensive investigation of plant A and its ingredient suppliers, the source of contamination remains unknown.

This outbreak identified labeling concerns. Specifically, recommended microwave cooking times on the pot pie packaging were based on wattage categories, but most patients were unaware of their microwave wattage. Because of the small size of the case control study, the investigation could not determine whether microwaving pot pies rather than cooking them in a conventional oven was a risk factor for illness. Twenty-three percent of case-patients who ate a pot pie reported cooking the pies in conventional ovens, so improper microwave cooking could not account for the entire outbreak. However, given the observed limited knowledge about microwave wattage and the frequency of deviating from microwaving instructions, microwaving likely did lead to inadequate cooking.

Inadequate microwave cooking was thought to be partly responsible for two previous outbreaks of *Salmonella* infections (8,9). Industry and regulators should consider examining the manufacturing processes for frozen not-ready-to-eat foods to determine the extent to which microwave cooking is safe for these products. Labeling and cooking instructions on not-ready-to-eat frozen foods should be clear to ensure that consumers are aware of health risks and to facilitate compliance with validated cooking methods. Clear and prominent listing of output wattage on microwave appliances might improve consumer adherence to manufacturer's cooking instructions. Consumers should follow cooking instructions specific for an oven's wattage.

#### **Acknowledgments**

This report is based, in part, on contributions by state and local health department officials; P White, DVM, Food Safety and Inspection Svc, US Dept of Agriculture; and M Hoekstra, PhD, and A Sheth, MD, Div of Foodborne, Bacterial, and Mycotic Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases. CDC.

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  –9.

Notice to Readers

## The Immunization Encounter: Critical Issues

CDC will present a webcast, The Immunization Encounter: Critical Issues, on December 18, 2008. The broadcast will occur during 12:00 noon–2:00 p.m. EST. The program will address issues related to the routine encounter at an immunization clinic. Topics include patient and parent communication and education, vaccine storage and handling, preparing for medical emergencies, screening for contraindications and precautions to vaccination, vaccine administration, records and documentation, the Vaccine Adverse Event Reporting System, and the Vaccine Injury Compensation Program. Continuing education credits will be offered.

Additional information about the program is available at http://www2a.cdc.gov/phtn/imm-encounter2008/default. asp. No registration is necessary to access the webcast via an Internet connection. The link to the webcast is available at http://www2a.cdc.gov/phtn/webcast/imm-encounter2008. The webcast will be accessible through an Internet connection until January 20, 2009, and will become available as a self-study DVD and Internet-based program in January 2009.

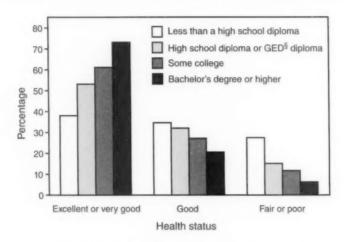
Erratum: Vol. 57, No. 45

In the report, "Cigarette Smoking Among Adults — United States, 2007," an error occurred on page 1222. The last sentence of the second paragraph should read, "Among the estimated **90.7** million adults who had smoked at least 100 cigarettes during their lifetime (defined as ever smokers), 52.1% (47.3 million) were no longer smoking at the time of the interview."

## **QuickStats**

FROM THE NATIONAL CENTER FOR HEALTH STATISTICS

Health Status\* Among Persons Aged ≥25 Years, by Education Level — National Health Interview Survey, United States, 2007<sup>†</sup>



\* Health status data were obtained by asking respondents to assess their own health and that of family members living in the same household as excellent, very good, good, fair, or poor. Data are presented only for family members aged ≥25 years.

† Estimates are based on household interviews of a sample of the noninstitutionalized, U.S. civilian population. Denominators for each category exclude persons for whom data were missing. Estimates are age adjusted using the projected 2000 U.S. population as the standard population and using four age groups: 25–44 years, 45–64 years, 65–74 years, and ≥75 years.

§ General Educational Development.

The percentage of adults aged ≥25 years whose health was reported as excellent or very good increased with increased levels of education. Persons with a bachelor's degree or higher (73.1%) were nearly twice as likely to be reported as being in excellent or very good health as persons with less than a high school diploma (37.9%). Persons with less than a high school diploma were most likely to be reported as being in fair or poor health.

**SOURCES:** National Health Interview Survey 2007 data. Available at http://www.cdc.gov/nchs/nhis.htm. Adams PF, Barnes PM, Vickerie JL. Summary health statistics for the U.S. population: National Health Interview Survey, 2007. Vital Health Stat 2008;10(238).

TABLE 1. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending November 22, 2008 (47th week)\*

|  | Current  | Cum  | 5-year<br>weekly | repor      |           | previo |     | ars  |  |
|--|----------|------|------------------|------------|-----------|--------|-----|------|--|
| Disease  | week     | 2008 | average†         | 2007       |           |        |     |      | States reporting cases during current week (No.)       |
| Anthrax  | _        | _    | -                | 1          | 1         | _      | _   | _    |  |
| Botulism:  |          |      |                  |            |           |        |     |      |  |
| foodborne  | 1        | 12   | 1                | 32         | 20        | 19     | 16  | 20   | AK (1)   |
| infant   | 2        | 81   | 2                | 85         | 97        | 85     | 87  | 76   | PA (1), OH (1)   |
| other (wound & unspecified)                              | 1        | 18   | 1                | 27         | 48        | 31     | 30  | 33   | CA (1)   |
| Brucellosis  | 1        | 81   | 2                | 131        | 121       | 120    | 114 | 104  | PA (1)   |
| Chancroid  |          | 29   | 1                | 23         | 33        | 17     | 30  | 54   |  |
| Cholera  | _        | 2    | 0                | 7          | 9         | 8      | 6   | 2    |  |
| Cyclosporiasis <sup>§</sup>                              | _        | 118  | 1                | 93         | 137       | 543    | 160 | 75   |  |
| Diphtheria   | _        | -    | _                | -          | _         | -      | -   | 1    |  |
| Domestic arboviral diseases§.¶:                          |          |      |                  |            |           |        |     |      |  |
| California serogroup                                     | -        | 38   | 0                | 55         | 67        | 80     | 112 | 108  |  |
| eastern equine   | Coppedia | 2    | 0                | 4          | 8         | 21     | 6   | 14   |  |
| Powassan   | ******** | 1    | 0                | 7          | 1         | 1      | 1   | _    |  |
| St. Louis  | -        | 8    | 0                | 9          | 10        | 13     | 12  | 41   |  |
| western equine   | -        | _    | _                | _          | -         | _      | _   | -    |  |
| Ehrlichiosis/Anaplasmosis <sup>§,**</sup> :              |          |      |                  |            |           |        |     |      |  |
| Ehrlichia chaffeensis                                    | 23       | 771  | 8                | 828        | 578       | 506    | 338 | 321  | NY (1), MN (2), MO (1), FL (2), OK (17)                |
|  | 23       | 7    | -                | 020        | 370       | 500    | 000 | 02.1 | 141 (1), 1011 (2), 1010 (1), 10 (2), 011 (11)          |
| Ehrlichia ewingii  | 26       | 396  | 11               | 834        | 646       | 786    | 537 | 362  | NY (8), MN (17), OK (1)                                |
| Anaplasma phagocytophilum                                | 20       | 63   | 2                | 337        | 231       | 112    | 59  | 44   | 141 (b), IMITE (17), OK (1)                            |
| undetermined   |          | 03   | 2                | 337        | 201       | 112    | 38  | 44   |  |
| Haemophilus influenzae,††                                |          |      |                  |            |           |        |     |      |  |
| invasive disease (age <5 yrs):                           |          | 0.4  | 0                | 22         | 20        | 9      | 19  | 32   |  |
| serotype b   | -        | 24   | 0                | 22         | 29<br>175 |        |     | 117  |  |
| nonserotype b  | -        | 144  | 2                | 199        |           | 135    | 135 |      | MO (4) El (4)  |
| unknown serotype   | 2        | 169  | 4                | 180        | 179       | 217    | 177 | 227  | MO (1), FL (1)   |
| Hansen disease§  | 1        | 66   | 2                | 101        | 66        | 87     | 105 | 95   | FL (1)   |
| Hantavirus pulmonary syndrome®                           | _        | 14   | 1                | 32         | 40        | 26     | 24  | 26   | ADV (4) OH (4) OK (4) OA (9)                           |
| Hemolytic uremic syndrome, postdiarrheal <sup>5</sup>    | 5        | 196  | 3                | 292        | 288       | 221    | 200 | 178  | NY (1), OH (1), OK (1), CA (2)                         |
| Hepatitis C viral, acute                                 | 23       | 735  | 17               | 849        | 766       | 652    | 720 |      | NY (1), OH (17), IN (1), KY (1), TN (1), UT (1), CA (1 |
| HIV infection, pediatric (age <13 years) <sup>§§</sup>   | _        | _    | 4                | -          | -         | 380    | 436 | 504  |  |
| Influenza-associated pediatric mortality <sup>6,15</sup> | -        | 90   | 0                | 77         | 43        | 45     | -   | N    |  |
| Listeriosis  | 7        | 571  | 14               | 808        | 884       | 896    | 753 | 696  | OH (1), FL (2), CA (4)                                 |
| Measles***   | etassae. | 132  | 0                | 43         | 55        | 66     | 37  | 56   |  |
| Meningococcal disease, invasive†††:                      |          |      |                  |            |           |        |     |      |  |
| A, C, Y, & W-135   | 2        | 241  | 5                | 325        | 318       | 297    | _   | -    | IN (1), CO (1)   |
| serogroup B  | 1        | 136  | 3                | 167        | 193       | 156    | _   |      | MN (1)   |
| other serogroup  | _        | 30   | 1                | 35         | 32        | 27     | -   | _    |  |
| unknown serogroup  | 6        | 547  | 10               | 550        | 651       | 765    | -   | -    | NY (1), PA (1), TN (1), CA (3)                         |
| Mumps  | 1        | 353  | 16               | 800        | 6,584     | 314    | 258 | 231  | CA (1)   |
| Novel influenza A virus infections                       | _        | 1    | -                | 4          | N         | N      | N   | N    |  |
| Plaque   | -        | 1    | 0                | 7          | 17        | 8      | 3   | 1    |  |
| Poliomyelitis, paralytic                                 | -        | -    | _                | _          | _         | 1      | -   | _    |  |
| Polio virus infection, nonparalytic <sup>6</sup>         | -        | _    | -                | -          | N         | N      | N   | N    |  |
| Psittacosis <sup>§</sup>                                 |          | 9    | 0                | 12         | 21        | 16     | 12  | 12   |  |
| Qfever <sup>5,599</sup> total:                           | 1        | 104  | 2                | 171        | 169       | 136    | 70  |      |  |
| acute  | 1        | 93   | _                | _          | _         | -      | _   | _    | FL (1)   |
| chronic  |          | 11   | _                | _          | _         | _      | -   | _    |  |
| Rabies, human  |          |      | 0                | 1          | 3         | 2      | 7   | 2    |  |
| Rubella 1111   | 2        | 16   |                  | 12         |           | 11     | 10  | -    | CA (2)   |
|  | -        | -    |                  | 14.        | - 1       | 1      | -   | 1    | 071(2)   |
| Rubella, congenital syndrome                             |          |      |                  | _          | _         | _      | _   | . 8  |  |
| SARS-CoV <sup>§,****</sup>                               | _        | -    | _                | _          | _         |        |     | 0    |  |
| Smallpox <sup>6</sup>                                    | _        | 445  | -                | 122        | 125       | 129    | 132 | 161  | NY (1), NC (1)   |
| Streptococcal toxic-shock syndrome <sup>§</sup>          | 2        | 115  | 1                | 132<br>430 |           | 329    |     |      | (1), 140 (1)   |
| Syphilis, congenital (age <1 yr)                         | _        | 194  | 8                |            |           |        |     |      |  |
| Tetanus  | _        | 12   | 1                | 28         |           | 27     | 34  |      | CA (1)   |
| Toxic-shock syndrome (staphylococcal)§                   | 1        | 58   | 1                | 92         |           | 90     | 95  |      | CA (1)   |
| Trichinellosis   | _        | 5    | 0                | 5          |           |        |     |      | NO (4)   |
| Tularemia  | 1        | 91   | 2                | 137        |           |        |     |      | NC (1)   |
| Typhoid fever  | 2        | 359  | 4                | 434        |           |        |     |      | GA (1), TX (1)   |
| Vancomycin-intermediate Staphylococcus aureus            | 5 2      | 29   | 0                | 37         |           |        |     | - N  | NC (1), FL (1)   |
| Vancomycin-resistant Staphylococcus aureus®              | -        | _    | _                | 2          |           |        |     |      | 201111 = (0) 04 (0)                                    |
| Vibriosis (noncholera Vibrio species infections)§        | 6        | 405  | 4                | 447        | N         | N      | 1   | I N  | MN (1), FL (2), CA (3)                                 |
| Yellow fever   | _        | _    | _                | _          | _         | _      | _   | -    |  |

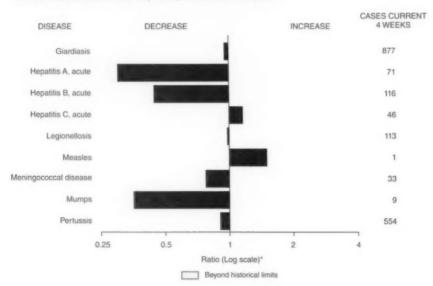
See Table 1 footnotes on next page.

#### TABLE 1. (Continued) Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending November 22, 2008 (47th week)

- -: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts
  - Incidence data for reporting year 2008 are provisional, whereas data for 2003, 2004, 2005, 2006, and 2007 are finalized.
- † Calculated by summing the incidence counts for the current week, the 2 weeks preceding the current week, and the 2 weeks following the current week, for a total of 5 preceding years. Additional information is available at http://www.cdc.gov/epo/dphs/files/5yearweeklyaverage.pdf.
- Not notifiable in all states. Data from states where the condition is not notifiable are excluded from this table, except in 2007 and 2008 for the domestic arboviral diseases and influenza-associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/epo/dphsi/phs/infdis.htm.
- 1 Includes both neuroinvasive and nonneuroinvasive. Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). Data for West Nile virus are available in Table II.
- The names of the reporting categories changed in 2008 as a result of revisions to the case definitions. Cases reported prior to 2008 were reported in the categories: Ehrlichiosis, human monocytic (analogous to E. chaffeensis); Ehrlichiosis, human granulocytic (analogous to Anaplasma phagocytophilum), and Ehrlichiosis, unspecified, or other agent (which included cases unable to be clearly placed in other categories, as well as possible cases of E. ewingii).
- 11 Data for *H. influenzae* (all ages, all serotypes) are available in Table II.

  55 Updated monthly from reports to the Division of HIV/AIDS Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. Implementation of HIV reporting influences the number of cases reported. Updates of pediatric HIV data have been temporarily suspended until upgrading of the national HIV/AIDS surveillance data management system is completed. Data for HIV/AIDS, when available, are displayed in Table IV, which appears quarterly.
- 19 Updated weekly from reports to the Influenza Division, National Center for Immunization and Respiratory Diseases. There are no reports of confirmed influenza-associated pediatric deaths for the current 2008-09 season.
- No measles cases were reported for the current week
- ††† Data for meningococcal disease (all serogroups) are available in Table II.
- 955 In 2008, Q fever acute and chronic reporting categories were recognized as a result of revisions to the Q fever case definition. Prior to that time, case counts were not differentiated with respect to acute and chronic Q fever cases.
- The two rubella cases reported for the current week were unknown.
- \*\*\*\* Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases.

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals November 22, 2008, with historical data



\* Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals

## Notifiable Disease Data Team and 122 Cities Mortality Data Team

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TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

|  |   |  | Chlamydi  | ат  |  |                                       |   | diodomy                                  | cosis   |  |   |  | otosporidi   | osis   |   |
|--|---|--|---|---|--|---------------------------------------|---|--|---|--|---|--|--|--|---|
|  |   | Previ  |   |   |  |                                       | Prev                                    |  |   |  |   | Prev                                       |  |  |   |
| Reporting area   | Current   | 52 w   | Max   | Cum<br>2008   | Cum<br>2007  | Current                               | 52 w                                    | Max                                      | Cum<br>2008                                     | Cum<br>2007  | Current                                 | Med  | Max  | Cum<br>2008  | Cum<br>2007   |
| Inited States  | 9,661   | 21,213   | 28.892  | 970,335   | 986.853  | 231                                   | 122                                     | 341                                      | 6.029   | 6,818  | 51                                      | 98   | 426  | 6,778  | 10,536  |
| New England<br>Connecticut   | 523<br>133  | 706<br>215<br>51   | 1,516<br>1,093<br>72  | 33,231<br>10,241<br>2,289   | 31,920<br>9,521<br>2,287   | N<br>N                                | 0                                       | 1 0 0                                    | 1<br>N<br>N                                     | 2<br>N<br>N  | 1                                       | 5 0  | 39<br>37<br>6                                      | 285<br>37<br>42                                      | 320<br>42<br>50   |
| Massachusetts<br>New Hampshire<br>Rhode Island <sup>§</sup>  | 337<br>21   | 327<br>41<br>53  | 624<br>64<br>104  | 15,703<br>1,908<br>2,379  | 14,427<br>1,866<br>2,862   | N                                     | 0                                       | 0 1 0                                    | N<br>1  | N<br>2   | =                                       | 1 1 0                                      | 9 4 2  | 91<br>53<br>7  | 128<br>46<br>11   |
| /ermont <sup>§</sup>   | 32  | 15   | 52  | 711   | 957  | N                                     | 0                                       | 0  | N   | N  | 1                                       | 1  | 7  | 55   | 43  |
| Aid. Atlantic<br>New Jersey<br>New York (Upstate)<br>New York City<br>Pennsylvania   | 1,234<br>669<br>565   | 2,793<br>414<br>542<br>975<br>823                            | 4,951<br>537<br>2,177<br>3,413<br>1,049                                       | 132,731<br>18,663<br>24,600<br>51,231<br>38,237   | 129,447<br>19,475<br>24,932<br>46,731<br>38,309  | N<br>N<br>N                           | 0 0                                     | 0 0 0                                    | N<br>N<br>N                                     | N<br>N<br>N  | 6<br>-<br>5<br>-<br>1                   | 12<br>0<br>4<br>2<br>5                     | 34<br>2<br>17<br>6<br>15                           | 661<br>26<br>247<br>96<br>292                        | 1,313<br>64<br>230<br>95<br>924                         |
| E.N. Central<br>Ilinois<br>ndiana<br>Michigan<br>Dhio<br>Wisconsin   | 273<br>567<br>21  | 3,479<br>1,062<br>375<br>834<br>828<br>332                   | 4,373<br>1,711<br>668<br>1,226<br>1,261<br>612                                | 156,008<br>44,449<br>18,409<br>39,981<br>38,490<br>14,679                                     | 161,418<br>48,199<br>18,989<br>33,403<br>42,951<br>17,876                                      | N<br>N                                | 0 0 0                                   | 3<br>0<br>0<br>3<br>1                    | 38<br>N<br>N<br>29<br>9                         | 32<br>N<br>N<br>21<br>11<br>N  | 16<br>4<br>2<br>10                      | 25<br>2<br>3<br>5<br>6<br>8                | 122<br>7<br>41<br>13<br>59<br>46                   | 1,820<br>104<br>177<br>238<br>658<br>643             | 1,789<br>192<br>92<br>191<br>543<br>771                 |
| W.N. Central<br>lowa<br>Kansas<br>Minnesota<br>Missouri<br>Nebraska <sup>§</sup><br>North Dakota<br>South Dakota   | 676<br>152<br>317<br>—<br>150<br>—<br>57                          | 1,259<br>165<br>178<br>263<br>478<br>89<br>33<br>55          | 1,700<br>240<br>529<br>373<br>566<br>252<br>65<br>85                          | 58,601<br>8,182<br>8,443<br>11,834<br>21,957<br>4,067<br>1,483<br>2,635                       | 57,295<br>7,936<br>7,385<br>12,300<br>21,119<br>4,683<br>1,556<br>2,316                        | N<br>N<br>N<br>N<br>N                 | 0 | 77<br>0<br>0<br>77<br>1<br>0<br>0        | 2<br>N<br>N<br>2<br>N<br>N                      | 8<br>N<br>N<br>8<br>N<br>N<br>N  |   | 16<br>4<br>1<br>5<br>3<br>2<br>0           | 71<br>30<br>8<br>15<br>13<br>8<br>51<br>9          | 891<br>266<br>80<br>211<br>152<br>106<br>7<br>69     | 1,537<br>604<br>140<br>264<br>174<br>164<br>25<br>166   |
| S. Atlantic Delaware District of Columbia Florida Georgia Maryland <sup>§</sup> North Carolina South Carolina <sup>§</sup> Virginia <sup>§</sup> West Virginia | 1,292<br>88<br>-<br>1,196<br>8<br>-<br>-<br>-                     | 3,593<br>67<br>128<br>1,359<br>231<br>444<br>1<br>465<br>616 | 7,609<br>150<br>210<br>1,570<br>1,338<br>699<br>4,783<br>3,047<br>1,059<br>96 | 168,092<br>3,363<br>6,078<br>62,799<br>16,714<br>19,841<br>5,901<br>23,407<br>27,334<br>2,655 | 192,448<br>3,126<br>5,425<br>51,614<br>38,508<br>20,405<br>24,526<br>23,752<br>22,207<br>2,885 | N N N N N N N N N N N N N N N N N N N | 0 0 0 0 0 0                             | 1<br>1<br>0<br>0<br>0<br>1<br>0<br>0     | 1<br>N N 3<br>N N N N N N N N N N N N N N N N N | 5<br>2<br>2<br>2<br>2<br>3<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2 | 19<br>7<br>6<br>2<br>4                  | 18<br>0<br>0<br>7<br>4<br>0<br>0<br>1<br>1 | 46<br>2<br>2<br>35<br>13<br>4<br>16<br>4<br>4<br>3 | 884<br>10<br>8<br>422<br>210<br>36<br>67<br>45<br>67 | 1,186<br>20<br>3<br>624<br>219<br>34<br>112<br>81<br>82 |
| E.S. Central<br>Alabama <sup>§</sup><br>Kentucky<br>Mississippi<br>Tennessee <sup>§</sup>  | 373<br>517  | 1,566<br>457<br>236<br>378<br>527                            | 2,394<br>589<br>370<br>1,048<br>790   | 11,104<br>18,421  | 74,456<br>22,851<br>7,626<br>19,393<br>24,586  | N<br>N<br>N                           | 0 0 0                                   | 0 0 0                                    | N<br>N<br>N                                     | N N N N  | ======================================= | 3<br>1<br>0<br>0                           | 9<br>6<br>4<br>2<br>6                              | 151<br>62<br>31<br>16<br>42                          | 596<br>116<br>247<br>101<br>132                         |
| W.S. Central<br>Arkansas <sup>§</sup><br>Louisiana<br>Oklahoma<br>Texas <sup>§</sup>   | 304<br>304<br>—   | 2,758<br>276<br>400<br>195<br>1,892                          | 4,426<br>455<br>775<br>392<br>3,923   | 12,851<br>18,991<br>7,668   | 112,228<br>8,898<br>17,792<br>11,416<br>74,122   | N<br>N<br>N                           | 0 0 0                                   | 1<br>0<br>1<br>0                         | 3<br>N<br>3<br>N                                | 2<br>N<br>2<br>N   | 2 2                                     | 5<br>0<br>1<br>1<br>2                      | 130<br>6<br>5<br>16<br>117                         | 1,225<br>37<br>52<br>125<br>1,011                    | 421<br>58<br>59<br>115<br>189                           |
| Mountain Arizona Colorado Idaho <sup>§</sup> Montana <sup>§</sup> Nevada <sup>§</sup> New Mexico <sup>§</sup> Utah Wyoming <sup>§</sup>                        | 1,146<br>300<br>588<br>243<br>——————————————————————————————————— | 1,252<br>470<br>206<br>63<br>58<br>179<br>133<br>113         | 482<br>314<br>363<br>416<br>561<br>253  | 3,676<br>2,414<br>8,242<br>5,859<br>4,840   | 3,267<br>2,300<br>8,707<br>8,174<br>4,910  | 118<br>115<br>N<br>N<br>N<br>3        | 86<br>86<br>0<br>0<br>0<br>1<br>0       | 170<br>168<br>0<br>0<br>0<br>6<br>3<br>3 | 3,949<br>3,871<br>N<br>N<br>N<br>44<br>27<br>5  | 4,288<br>4,147<br>N<br>N<br>060<br>20<br>58<br>3   | 2 - 2                                   | 9<br>1<br>1<br>1<br>1<br>0<br>1<br>0<br>0  | 37<br>9<br>12<br>14<br>6<br>1<br>23<br>6<br>4      | 493<br>86<br>108<br>62<br>39<br>1<br>145<br>35       | 2,874<br>48<br>205<br>456<br>64<br>36<br>120<br>1,891   |
| Pacific<br>Alaska<br>California<br>Hawaii<br>Oregon <sup>§</sup><br>Washington   | 2,735<br>79<br>1,756<br>631<br>269                                | 2,878<br>103<br>188  | 129<br>4,115<br>153<br>402  | 4,013<br>131,652<br>4,597<br>9,400  | 4,399<br>125,977<br>5,154<br>8,573   | 113<br>N                              | 32<br>0<br>32<br>0<br>0                 | 217<br>0<br>217<br>0<br>0                | 2,032<br>N<br>2,032<br>N<br>N<br>N              | 2,481<br>N<br>2,481<br>N<br>N  | 5                                       | 8<br>0<br>5<br>0<br>1<br>2                 | 29<br>1<br>14<br>1<br>4<br>16                      | 368<br>3<br>225<br>2<br>50<br>88                     | 500<br>258<br>6<br>123<br>110                           |
| American Samoa<br>C.N.M.I.<br>Guam<br>Puerto Rico  | 97  | 5  | 24  | 123   | 760  | _                                     | 0 0                                     | 0 0                                      | N<br>-<br>N                                     | N<br>_<br>N  | N<br>-<br>N                             | 0 0  | 0 0  | N  | 1   |
| U.S. Virgin Islands  | 9/  | 121  |   |   |  |                                       | 0                                       | 0  | - 14  | - 14   | -                                       | 0  | 0  | _  | _   |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

\* Incidence data for reporting year 2008 are provisional. Data for HIV/AIDS, AIDS, and TB, when available, are displayed in Table IV, which appears quarterly.

† Chlamydia refers to genital infections caused by Chlamydia trachomatis.

§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007

|  |         |      | Giardiasi | s           |              |          |            | Gonorrhe     | a               |                 | Ha        |         | s influen<br>es, all sen | zae, invas<br>otypes† | ive         |
|--|---------|------|-----------|-------------|--------------|----------|------------|--------------|-----------------|-----------------|-----------|---------|--------------------------|-----------------------|-------------|
|  |         | Prev | vious     |             |              |          |            | rious        |                 |                 |           | Prev    |                          |                       |             |
| Reporting area                                       | Current | 52 w | Max       | Cum<br>2008 | Cum<br>2007  | Current  | Med Med    | veeks<br>Max | Cum<br>2008     | Cum<br>2007     | Current   | Med Med | eeks                     | Cum<br>2008           | Cum<br>2007 |
|  | week    | 30B  | 1,158     | 15,374      | 16,743       | 1,975    | 5,923      | 8.913        | 266.830         | 318.094         | 25        | 48      | 173                      | 2,267                 | 2,160       |
| United States  | 246     | 24   | 49        | 1,150       | 1,349        | 84       | 102        | 227          | 4.732           | 5.026           | 1         | 3       | 12                       | 136                   | 161         |
| New England<br>Connecticut                           |         | 6    | 11        | 278         | 336          | 34       | 51         | 199          | 2,321           | 1,935           | i         | 0       | 9                        | 40                    | 43          |
| Maine <sup>§</sup>                                   | 5       | 3    | 12        | 165         | 178          | 40       | 1          | 6            | 84              | 113             | -         | 0       | 2 5                      | 16<br>57              | 12<br>79    |
| Massachusetts<br>New Hampshire                       | _       | 9    | 17        | 343<br>134  | 563<br>32    | 48       | 38         | 90           | 1,928           | 2,421           | _         | 0       | 1                        | 9                     | 16          |
| Rhode Island <sup>6</sup>                            | _       | 1    | 8         | 76          | 79           | -        | 6          | 13           | 280             | 368             | _         | 0       | 1                        | 6                     | 8           |
| Vermont <sup>6</sup>                                 | 2       | 3    | 13        | 154         | 161          | 1        | 0          | 5            | 26              | 56              | -         | 0       | 3                        | 8                     | 3           |
| Mid. Atlantic  | 49      | 59   | 131       | 2,889       | 2,904        | 235      | 625        | 1,028        | 29,591          | 32,854          | 5         | 10      | 31                       | 439<br>70             | 417<br>63   |
| New Jersey<br>New York (Upstate)                     | 26      | 23   | 111       | 1,091       | 372<br>1,058 | 130      | 100<br>121 | 168<br>545   | 4,537<br>5,460  | 5,505<br>6,236  | 2         | 3       | 22                       | 134                   | 120         |
| New York City  | 4       | 15   | 27        | 729         | 780          | _        | 175        | 636          | 9,514           | 9,618           |           | 1       | 6                        | 73                    | 92          |
| Pennsylvania   | 19      | 15   | 45        | 767         | 694          | 105      | 225        | 394          | 10,080          | 11,495          | 3         | 4       | 8                        | 162                   | 142         |
| E.N. Central   | 17      | 46   | 78        | 2,227       | 2,635        | 337      | 1,231      | 1,647        | 55,425          | 65,587          | 2         | 7       | 28                       | 329                   | 328         |
| Illinois   | N       | 10   | 22        | 492<br>N    | 818<br>N     | 118      | 370<br>149 | 589<br>284   | 15,413<br>7,397 | 18,117<br>8,123 | 1         | 2       | 20                       | 102<br>66             | 102<br>54   |
| Indiana<br>Michigan                                  | 2       | 11   | 21        | 514         | 560          | 214      | 327        | 657          | 14,958          | 13,921          | _         | o       | 3                        | 17                    | 26          |
| Ohio   | 15      | 17   | 31        | 816         | 741          | 5        | 301        | 531          | 13,665          | 19,223          | 1         | 2       | 6                        | 120                   | 94          |
| Wisconsin  | _       | 9    | 23        | 405         | 516          | -        | 90         | 175          | 3,992           | 6,203           | _         | 1       | 2                        | 24                    | 52          |
| W.N. Central   | 31      | 26   | 621       | 1,792       | 1,367        | 163      | 317        | 425<br>48    | 14,820          | 17,728          | 3         | 3       | 24                       | 178                   | 127         |
| lowa<br>Kansas                                       | 3       | 6    | 17        | 295<br>150  | 281<br>168   | 18<br>85 | 28<br>41   | 130          | 2.097           | 1,761<br>2,086  | _         | 0       | 3                        | 14                    | 11          |
| Minnesota  | 22      | 0    | 575       | 612         | 168          | _        | 57         | 92           | 2,582           | 3,158           | _         | 0       | 21                       | 54                    | 56          |
| Missouri   | 4       | 8    | 22        | 417         | 482          | 53       | 149        | 203          | 7,164           | 9,065           | 2         | 1       | 6                        | 69                    | 38          |
| Nebraska <sup>5</sup>                                | 4       | 4    | 10        | 190         | 148          | -        | 25         | 47<br>6      | 1,158<br>91     | 1,318           | 1         | 0       | 2                        | 27<br>12              | 16<br>5     |
| North Dakota<br>South Dakota                         | _       | 1    | 10        | 107         | 97           | 7        | 7          | 15           | 318             | 232             | _         | 0       | o                        | _                     | _           |
| S. Atlantic  | 67      | 54   | 87        | 2.534       | 2.772        | 391      | 1.186      | 3.072        | 56.531          | 74.875          | 9         | 11      | 29                       | 605                   | 542         |
| Delaware   | _       | 1    | 3         | 38          | 39           | 17       | 20         | 44           | 936             | 1,187           | Decision. | 0       | 2                        | 7                     | 8           |
| District of Columbia                                 | -       | 1    | 5<br>52   | 51<br>1,195 | 69<br>1.155  | 373      | 47         | 104<br>549   | 2,305<br>20.805 | 2,154 20,960    | 5         | 0       | 10                       | 164                   | 147         |
| Florida<br>Georgia                                   | 57      | 22   | 27        | 511         | 624          | 1        | 105        | 560          | 6,340           | 15,866          | 5         | 2       | 9                        | 133                   | 109         |
| Maryland <sup>6</sup>                                | 4       | 5    | 12        | 229         | 246          | _        | 117        | 206          | 5,346           | 6,053           | 1         | 2       | 6                        | 86                    | 79          |
| North Carolina                                       | N       | 0    | 0         | N           | N            | _        | 0          | 1,949        | 2.638           | 12,954          | 3         | 1       | 9                        | 69                    | 51          |
| South Carolina <sup>§</sup><br>Virginia <sup>§</sup> | 3       | 2    | 6<br>39   | 110<br>348  | 111<br>482   | _        | 187<br>173 | 832<br>486   | 8,434<br>9,107  | 9,203<br>5,636  | _         | 1       | 6                        | 46<br>73              | 47<br>73    |
| West Virginia  | _       | 1    | 5         | 52          | 46           | -        | 14         | 26           | 620             | 862             | _         | o       | 3                        | 18                    | 25          |
| E.S. Central   | 3       | 9    | 21        | 427         | 522          | 276      | 552        | 945          | 26,287          | 28,991          | 1         | 2       | 8                        | 117                   | 129         |
| Alabama <sup>6</sup>                                 | 1       | 5    | 12        | 239         | 241          |          | 177        | 287          | 7,510           |                 | -         | 0       | 2                        | 18                    | 27          |
| Kentucky   | N<br>N  | 0    | 0         | N<br>N      | N            | 124      | 90         | 153<br>401   | 4,208<br>6,557  | 2,993<br>7,451  | _         | 0       | 2                        | 13                    | 9           |
| Mississippi<br>Tennessee <sup>5</sup>                | 2       | 4    | 13        | 188         | 281          | 152      | 163        | 296          | 8,012           |                 | 1         | 2       | 6                        | 84                    | 84          |
| W.S. Central   | 13      | 7    | 41        | 393         | 397          | 64       | 952        | 1,355        | 42,165          | 46,602          |           | 2       | 29                       | 96                    | 92          |
| Arkansas <sup>6</sup>                                | 4       | 3    | 8         | 129         | 142          | 64       | 86         | 167          | 4,176           | 3,802           | _         | 0       | 3                        | 9                     | 9           |
| Louisiana  | 9       | 2    | 9<br>35   | 115<br>149  | 130<br>125   | -        | 170<br>67  | 317<br>124   | 8,149<br>2,903  |                 | _         | 0       | 21                       | 8<br>71               | 8<br>65     |
| Oklahoma<br>Texas <sup>6</sup>                       | N       | 0    | 0         | N           | N            | _        | 633        | 1,102        | 26,937          |                 | -         | o       | 3                        | 8                     | 10          |
| Mountain   | 21      | 28   | 60        | 1.343       | 1.684        | 136      | 211        | 338          | 9.624           | 12.533          | 4         | 5       | 14                       | 255                   | 230         |
| Arizona  | _       | 2    | 8         | 121         | 185          | 39       | 66         | 109          | 3,030           | 4,603           | 2         | 2       | 11                       | 103                   | 81          |
| Colorado   | 10      | 11   | 27<br>19  | 521<br>181  | 526<br>180   | 84<br>13 | 58         | 100          | 2,809<br>165    |                 | 2         | 1 0     | 4                        | 52<br>12              | 53          |
| Idaho§<br>Montana§                                   | _       | 1    | 9         | 75          | 102          | -        | 2          | 48           | 95              | 109             | _         | 0       | 1                        | 2                     | 2           |
| Nevada <sup>§</sup>                                  | 4       | 1    | 8         | 87          | 134          | _        | 40         | 130          | 1,901           | 2,151           | _         | 0       | 2                        | 14                    | 11          |
| New Mexico§  | -       | 1    | 7         | 80          | 111<br>404   | _        | 24         | 104          | 1,094           |                 | _         | 0       | 4                        | 33<br>36              | 39<br>32    |
| Utah<br>Wyoming <sup>§</sup>                         | 4       | 5    | 22        | 256<br>22   | 404          | _        | 2          | 9            | 112             |                 | _         | o       | 2                        | 3                     | 5           |
| Pacific  | 38      | 54   | 185       | 2.619       | 3,113        | 289      | 604        | 746          | 27.655          |                 | -         | 2       | 7                        | 112                   | 134         |
| Alaska   | 2       | 2    | 10        | 93          | 73           | 8        | 10         | 24           | 455             | 509             |           | 0       | 2                        | 16                    | 15          |
| California   | 35      | 35   | 91        | 1,710       | 2,078        | 229      | 511        | 657          | 22,993          |                 |           | 0       | 3                        | 25                    | 45          |
| Hawaii<br>Oregon§                                    | _       | 8    | 5<br>18   | 39<br>404   | 72<br>431    | 16       | 11<br>23   | 22<br>48     | 1,106           |                 |           | 0       | 2                        | 18<br>50              | 11<br>61    |
| Washington   | 1       | 8    | 87        | 373         | 459          | 36       | 55         | 90           | 2,590           |                 |           | o       | 3                        | 3                     | 2           |
| American Samoa                                       |         | 0    | 0         | _           |              | _        | 0          | 1            | 2               | 3 3             | -         | 0       | 0                        | _                     | _           |
| C.N.M.I.   | -       | -    | _         | _           | _            | -        |            | -            | _               | -               | _         | _       | _                        | -                     | _           |
| Guam<br>Puerto Rico                                  | _       | 0    | 10        | 117         | 2<br>355     | 3        | 1 5        | 15<br>25     | 253             |                 |           | 0       | 0                        | _                     | 1           |
| U.S. Virgin Islands                                  |         | 0    | 0         |             | 333          | 3        | 2          | 6            | 93              |                 |           | 0       | 0                        | N                     | N           |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

\* Incidence data for reporting year 2008 are provisional.

\* Data for H. influenzae (age <5 yrs for serotype b, nonserotype b, and unknown serotype) are available in Table I.

\* Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007

|   |                 |              |         | Hepati    | tis (viral, | acute), by | type† |          |           |            |         |              |           |            |            |
|---|-----------------|--------------|---------|-----------|-------------|------------|-------|----------|-----------|------------|---------|--------------|-----------|------------|------------|
|   |                 |              | A       |           |             |            |       | B        |           |            |         |              | gionellos | is         |            |
|   | Current         | Prev<br>52 w |         | Cum       | Cum         | Current    | Previ |          | Cum       | Cum        | Current | Prev<br>52 w |           | Cum        | Cum        |
| Reporting area                                    | week            | Med          | Max     | 2008      | 2007        | week       | Med   | Max      | 2008      | 2007       | week    | Med          | Max       | 2008       | 2007       |
| United States                                     | 14              | 48           | 171     | 2,202     | 2,589       | 32         | 68    | 259      | 3,059     | 3,907      | 31      | 46           | 139       | 2,482      | 2,370      |
| New England                                       | -               | 2            | 7       | 100       | 124         | ******     | 1     | 7        | 51        | 115        | 1       | 2            | 16        | 119        | 141        |
| Connecticut                                       | -               | 0            | 4 2     | 26<br>10  | 25          | _          | 0     | 7 2      | 19<br>10  | 36<br>13   | 1       | 0            | 5 2       | 38         | 38         |
| Maine <sup>5</sup><br>Massachusetts               | and the same of | 0            | 5       | 38        | 62          | _          | 0     | 1        | 9         | 41         | -       | 0            | 3         | 13         | 41         |
| New Hampshire                                     | _               | 0            | 2       | 12        | 12          | -          | 0     | 1        | 7         | 5          | -       | 0            | 5         | 24         | 8          |
| Rhode Island <sup>§</sup><br>Vermont <sup>§</sup> | _               | 0            | 2       | 12        | 13          | _          | 0     | 1        | 4 2       | 15         | -       | 0            | 14        | 30<br>5    | 9          |
| Mid. Atlantic                                     | 4               | 6            | 12      | 267       | 418         | 3          | 9     | 15       | 383       | 509        | 13      | 14           | 58        | 851        | 766        |
| New Jersey  | _               | 1            | 4       | 51        | 119         | _          | 2     | 7        | 111       | 144        | -       | 1            | 7         | 77         | 105        |
| New York (Upstate)                                | 2               | 1            | 6       | 59<br>94  | 68<br>146   | 1          | 1     | 6        | 59<br>79  | 81<br>113  | 9       | 5 2          | 19<br>12  | 307<br>105 | 208<br>173 |
| New York City<br>Pennsylvania                     | 2               | 2            | 6       | 63        | 85          | 2          | 3     | 7        | 134       | 171        | 4       | 6            | 33        | 362        | 280        |
| E.N. Central                                      | 1               | 6            | 16      | 286       | 313         | 3          | 7     | 12       | 347       | 418        | 4       | 10           | 39        | 524        | 538        |
| Illinois  | _               | 1            | 10      | 85        | 109         | _          | 1     | 5        | 78        | 125        |         | 1            | 7         | 66<br>48   | 105<br>56  |
| Indiana<br>Michigan                               | 1               | 0 2          | 4 7     | 109       | 27<br>89    | 2          | 2     | 6        | 42<br>115 | 53<br>107  | _       | 2            | 16        | 141        | 155        |
| Ohio  | _               | 1            | 4       | 45        | 59          | 1          | 2     | 8        | 106       | 113        | 4       | 4            | 18        | 252        | 190        |
| Wisconsin   | -               | 0            | 2       | 26        | 29          | -          | 0     | 1        | 6         | 20         | -       | 0            | 3         | 17         | 32         |
| W.N. Central                                      | _               | 5            | 29      | 239       | 155         | 1          | 2     | 9        | 90        | 104<br>24  | 1       | 2            | 9 2       | 114<br>15  | 106        |
| lowa<br>Kansas                                    | _               | 1            | 7       | 104<br>14 | 43          | _          | 0     | 3        | 7         | 8          | -       | 0            | 1         | 2          | 9          |
| Minnesota   | _               | 0            | 23      | 36        | 62          | _          | 0     | 5        | 10        | 17         | _       | 0            | 4         | 21         | 26         |
| Missouri  |                 | 1            | 3       | 41        | 19          | 1          | 1     | 4 2      | 51        | 37<br>11   | 1       | 0            | 5         | 54<br>20   | 43<br>13   |
| Nebraska§<br>North Dakota                         | _               | 0            | 5 2     | 40        | 15          | _          | 0     | 1        | 1         | _          | _       | O            | 2         | -          | -          |
| South Dakota                                      | -               | Õ            | 1       | 4         | 6           | meson.     | 0     | 0        | _         | 7          |         | 0            | 1         | 2          | 4          |
| S. Atlantic                                       | 4               | 7            | 15      | 353       | 441         | 9          | 16    | 60       | 779       | 898        | 8       | 8            | 28        | 418        | 389        |
| Delaware<br>District of Columbia                  | U               | 0            | 0       | 7         | Ú           | U          | 0     | 3        | 9<br>U    | 14<br>U    | _       | 0            | 1         | 13         | 15         |
| Florida   | 2               | 2            | 8       | 139       | 138         | 8          | 6     | 12       | 300       | 308        |         | 3            | 7         | 134        | 131        |
| Georgia   | 1               | 1            | 4       | 45        | 63          | _          | 3     | 6        | 128       | 137<br>107 | 2       | 1 2          | 10        | 32<br>109  | 37<br>76   |
| Maryland§<br>North Carolina                       | 1               | 1            | 3       | 37<br>59  | 71<br>57    | 1          | 2     | 17       | 72<br>74  | 120        |         | 0            | 7         | 36         | 42         |
| South Carolina§                                   | _               | 0            | 3       | 16        | 17          | _          | 1     | 6        | 54        | 58         | _       | 0            | 2         | 11         | 17         |
| Virginia <sup>§</sup>                             | _               | 1            | 5       | 45        | 79          |            | 2     | 16<br>30 | 94<br>48  | 115        |         | 0            | 6         | 52<br>20   | 47<br>13   |
| West Virginia                                     | _               | 0            | 2       | 5<br>75   | 98          |            | 7     | 13       | 329       | 342        |         | 2            | 10        | 103        | 92         |
| E.S. Central<br>Alabama§                          | _               | 1            | 4       | 12        | 20          |            | 2     | 6        | 93        | 119        | -       | 0            | 2         | 15         | 10         |
| Kentucky  | -               | 0            | 3       | 29        | 19          |            | 2     | 5        | 78        | 68         |         | 1            | 4         | 52         | 46         |
| Mississippi                                       | -               | 0            | 2       | 5<br>29   | 8<br>51     |            | 0     | 3        | 39<br>119 | 37<br>118  |         | 1            | 5         | 35         | 36         |
| Tennessee§  | 1               | 5            | 55      | 184       | 239         |            | 12    | 131      | 575       | 847        |         | 1            | 23        | 70         | 122        |
| W.S. Central<br>Arkansas <sup>§</sup>             | _               | 0            | 1       | 5         | 12          | _          | Õ     | 4        | 30        | 67         | _       | 0            | 2         | 11         | 15         |
| Louisiana   | -               | 0            | 1       | 10        | 27          |            | 1     | 22       | 73<br>105 | 122        |         | 0            | 6         | 9          | 5          |
| Oklahoma<br>Texas <sup>§</sup>                    | 1               | 0            | 3<br>53 | 162       | 10<br>190   |            | 2 7   | 107      | 367       | 566        |         | 1            | 18        | 40         | 97         |
| Mountain  | 1               | 4            | 12      | 195       | 211         |            | 4     | 10       | 172       | 193        |         | 2            | 6         | 72         | 103        |
| Arizona   | _               | 2            | 11      | 99        | 139         | -          | 1     | 5        | 59        | 76         | 3 -     | 0            | 2         | 17         | 36<br>21   |
| Colorado  | _               | 0            | 3       | 35<br>18  | 24          |            | 0     | 3 2      | 30        | 34<br>12   |         | 0            | 1         | 3          | 6          |
| Idaho <sup>§</sup><br>Montana <sup>§</sup>        | _               | 0            | 1       | 1         | 9           |            | o     | 1        | 2         | -          |         | 0            | 1         | 4          | 3          |
| Nevada§   | 1               | 0            | 3       | 9         | 11          |            | 1     | 3        | 32        | 12         |         | 0            | 2         | 10         | 10         |
| New Mexico§<br>Utah                               | _               | 0            | 3       | 17<br>13  | 11          |            | 0     | 2 5      | 28        |            |         | 0            | 2         | 22         | 15         |
| Wyoming <sup>§</sup>                              | _               | 0            | 1       | 3         | 3           |            | O     | 1        | 4         |            | 5 -     | 0            | 0         | _          | 3          |
| Pacific   | 3               | 11           | 51      | 503       | 590         |            | 7     | 30       | 333       |            |         | 4            | 18        | 211        | 113        |
| Alaska  | 3               | 0            | 42      | 3<br>411  | 508         |            | 0     | 19       | 237       |            | 9       | 0            | 14        | 169        | 83         |
| California<br>Hawaii                              | 3               | 9            | 42      | 17        | 500         |            | 0     | 1        | 7         | 10         | 6 —     | 0            | 1         | 8          | 2          |
| Oregon§   |                 | 0            | 3       | 26        | 27          |            | 1     | 3        | 38        |            |         | 0            | 2         | 15<br>17   | 17         |
| Washington  | -               | 1            | 7       | 46        | 44          | 4 —        | 1     | 9        | 42        |            |         |              | 0         | N          |            |
| American Samoa                                    | _               | 0            | 0       | _         | _           |            | 0     | 0        | _         | 1.         | 4 N     | 0            | -         | 14         |            |
| C.N.M.I.<br>Guam                                  | _               | 0            | 0       | _         | _           |            | 0     | 1        | _         |            | 2 —     | 0            | 0         | -          | -          |
| Puerto Rico                                       | _               | 0            | 4       | 17        | 58          | 8 —        | 0     | 5        | 38        | 7          |         | 0            | 1         | 1          |            |
| U.S. Virgin Islands                               | man             | 0            | 0       | -         | -           |            | 0     | 0        | -         | -          |         | 0            | 0         |            |            |

U.S. Virgin Islands

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable.

\* Incidence data for reporting year 2008 are provisional.

† Data for acute hepatitis C, viral are available in Table I,

Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

|   |         | L   | yme disea      | se              |              |         |              | Malaria |           |           | Me      |              | cal diseas |           | re <sup>†</sup> |
|---|---------|-----|----------------|-----------------|--------------|---------|--------------|---------|-----------|-----------|---------|--------------|------------|-----------|-----------------|
|   | Current |     | vious<br>veeks | Cum             | Cum          | Current | Prev<br>52 w |         | Cum       | Cum       | Current | Prev<br>52 w |            | Cum       | Cum             |
| Reporting area                          | week    | Med | Max            | 2008            | 2007         | week    | Med          | Max     | 2008      | 2007      | week    | Med          | Max        | 2008      | 2007            |
| Inited States                           | 400     | 336 | 1,433          | 23,645          | 25,012       | 7       | 22           | 136     | 951       | 1,165     | 9       | 18           | 53         | 954       | 960             |
| lew England                             | 15      | 48  | 257            | 3,480           | 7,575        | _       | 0            | 35      | 33        | 55        |         | 0            | 3          | 22        | 42              |
| Connecticut<br>Maine <sup>§</sup>       | 10      | 0 2 | 35<br>73       | 807             | 2,985<br>473 | _       | 0            | 27      | 11        | 3         | _       | 0            | 1          | 6         | 6               |
| Massachusetts                           | 10      | 13  | 114            | 1.039           | 2.937        | _       | 0            | 2       | 14        | 31        | _       | 0            | 3          | 15        | 19              |
| New Hampshire                           | _       | 11  | 137            | 1,307           | 871          | _       | 0            | 1       | 4         | 9         | _       | 0            | 0          | _         | 3               |
| Rhode Island                            | 5       | 0 2 | 40             | 327             | 177<br>132   | _       | 0            | 8       | 4         | 4         |         | 0            | 0          | _         | 3               |
| Vermont <sup>5</sup>                    |         |     |                |                 |              | 1       | 4            | 14      |           | 359       | 2       | 2            | 6          | 109       | 120             |
| Mid. Atlantic<br>New Jersey             | 261     | 170 | 1,010          | 13,807<br>2,636 | 10,309       |         | 0            | 2       | 224       | 66        | _       | 0            | 2          | 10        | 18              |
| New York (Upstate)                      | 232     | 53  | 453            | 4,715           | 3,079        | _       | 0            | 8       | 28        | 66        | 1       | 0            | 3          | 29        | 35              |
| New York City                           | _       | 0   | 7              | 28              | 401          | _       | 3            | 10      | 157       | 187       | _       | 0            | 2          | 25        | 20              |
| Pennsylvania                            | 29      | 59  | 529            | 6,428           | 3,831        | 1       | 1            | 3       | 39        | 40        | 1       | 1            | 5          | 45        | 47              |
| E.N. Central                            | 1       | 9   | 130            | 1,067<br>75     | 2,057<br>149 | 1       | 2            | 7 .     | 115<br>48 | 123<br>57 | 1       | 3            | 9          | 158<br>54 | 153<br>56       |
| Indiana                                 | _       | 0   | 8              | 38              | 45           | _       | Ó            | 2       | 5         | 9         | 1       | o            | 4          | 24        | 26              |
| Michigan                                | 1       | 1   | 11             | 90              | 51           | 1       | 0            | 2       | 16        | 18        | _       | 0            | 3          | 28        | 25              |
| Ohio<br>Wisconsin                       | _       | 7   | 5<br>116       | 45<br>819       | 1,780        | _       | 0            | 3       | 28<br>18  | 22<br>17  | _       | 0            | 4 2        | 38<br>14  | 34<br>12        |
| W.N. Central                            | 81      | 8   | 740            | 1.179           | 587          |         | 1            | 9       | 63        | 48        | 1       | 2            | 8          | 88        | 64              |
| lowa                                    | -       | 1   | 8              | 82              | 121          | _       | o            | 3       | 8         | 3         |         | ō            | 3          | 18        | 14              |
| Kansas                                  | -       | 0   | 1              | 5               | 8            | _       | 0            | 2       | 9         | 3         | _       | 0            | 1          | 5         | 5               |
| Minnesota                               | 81      | 2   | 731            | 1,035           | 438          | _       | 0            | 8       | 24        | 24        | 1       | 0            | 7          | 23<br>25  | 18<br>17        |
| Missouri<br>Nebraska§                   | _       | 0   | 2              | 41<br>12        | 7            | _       | 0            | 2       | 8         | 7         | _       | 0            | 1          | 12        | 5               |
| North Dakota                            | -       | 0   | 9              | 1               | 3            | -       | 0            | 2       | _         | 2         | _       | 0            | 1          | 3         | 2               |
| South Dakota                            | _       | 0   | 1              | 3               | _            | _       | 0            | 0       | -         | 1         | -       | 0            | 1          | 2         | 3               |
| S. Atlantic                             | 33      | 66  | 185            | 3,681           | 4,233        | 3       | 5            | 15      | 246       | 238       | -       | 3            | 10         | 142       | 158             |
| Delaware<br>District of Columbia        | 2       | 12  | 37<br>11       | 702<br>147      | 672<br>115   | _       | 0            | 2       | 2         | 2         | _       | 0            | 0          | 2         | _               |
| Florida                                 | 1       | 1   | 10             | 101             | 25           | 1       | 1            | 7       | 53        | 50        | _       | 1            | 3          | 48        | 60              |
| Georgia                                 | -       | 0   | 3              | 22              | 10           | _       | 1            | 5       | 48        | 37        | _       | 0            | 2          | 16        | 23              |
| Maryland <sup>§</sup><br>North Carolina | 21      | 30  | 124            | 1,842           | 2,441        | 1       | 0            | 6       | 63<br>27  | 64        | _       | 0            | 4          | 17<br>12  | 19              |
| South Carolina§                         | -       | Ö   | 2              | 22              | 29           | _       | 0            | 1       | 9         | 6         | _       | 0            | 3          | 21        | 16              |
| Virginia§                               | 8       | 11  | 68             | 734             | 825          | _       | 1            | 7       | 40        | 54        | _       | 0            | 2          | 21        | 19              |
| West Virginia                           | _       | 1   | 11             | 68              | 73           | _       | 0            | 0       | 47        | 1         | _       | 0            |            | 5         | 48              |
| E.S. Central<br>Alabama§                | _       | 1   | 3              | 43              | 51<br>13     | _       | 0            | 2       | 17        | 33        | 1       | 0            | 6 2        | 50<br>10  | 48              |
| Kentucky                                | _       | 0   | 1              | 3               | 6            | _       | 0            | 1       | 4         | 8         | _       | 0            | 2          | 8         | 11              |
| Mississippi                             | _       | 0   | 1              | 1               | 1            | _       | 0            | 1       | 1         | 2         | _       | 0            | 2          | 11        | 11              |
| Tennessee§                              | _       | 0   | 3              | 29              | 31           | _       | 0            | 2       | 8         | 17        | 1       | 0            | 3          | -         | 17              |
| W.S. Central<br>Arkansas§               | 1       | 2   | 11             | 97              | 74           | 1       | 0            | 64      | 73        | 85        | _       | 2            | 13         | 100       | 93              |
| Louisiana                               |         | 0   | 1              | 3               | 2            | _       | 0            | 1       | 3         | 14        | -       | 0            | 3          | 22        | 25              |
| Oklahoma<br>Texas <sup>§</sup>          | 1       | 0   | 10             | 94              | 71           | 1       | 0            | 4<br>60 | 2<br>68   | 5<br>64   | _       | 0            | 5          | 17<br>54  | 16              |
|   | 1       | 0   | 4              | 40              | 42           |         | 1            | 3       | 29        | 61        | 1       | 1            | 4          | 51        | 62              |
| Mountain<br>Arizona                     | _       | 0   | 2              | 8               | 2            | _       | o            | 2       | 14        | 12        | _       | Ó            | 2          | 10        | 12              |
| Colorado                                | -       | 0   | 2              | 7               | -            | _       | 0            | 1       | 4         | 23        | 1       | 0            | 1          | 14        | 2               |
| Idaho§<br>Montana§                      | _       | 0   | 2              | 9               | 9            |         | 0            | 1       | 3         | 4         | _       | 0            | 2          | 5         |                 |
| Nevada§                                 | =       | 0   | 2              | 4               | 12           |         | 0            | 3       | 3         | 3         | _       | 0            | 1          | 4         |                 |
| New Mexico§                             | _       | 0   | 2              | 6               | 5            | _       | 0            | 1       | 2         | 5         | -       | 0            | 1          | 7         |                 |
| Utah<br>Wyoming <sup>§</sup>            | _       | 0   | 0              | _               | 7            |         | 0            | 1       | 3         | 11        | _       | 0            | 1          | 5 2       | 1:              |
|   | 8       | 5   | 10             |                 |              |         | 3            |         | 151       | 163       |         | 5            | 19         | 234       | 22              |
| Pacific<br>Alaska                       | 8       | 0   | 10             | 251             | 84           |         | 0            | 10      | 151       | 163       | 3       | 0            | 19         | 5         | 22              |
| California                              | 8       | 3   | 10             | 191             | 56           | 1       | 2            | 8       | 113       | 117       | 3       | 3            | 19         | 167       | 16              |
| Hawaii                                  | N       | 0   | 0              | N               |              |         | 0            | 1       | 3         | 2         | _       | 0            | 1          | 5         | 1 2             |
| Oregon§<br>Washington                   | _       | 0   | 5 7            | 45<br>10        |              |         | 0            | 2       | 4<br>25   | 17<br>25  | _       | 0            | 3 5        | 33<br>24  | 2               |
| American Samoa                          | N       | 0   | 0              | N               |              |         | 0            | 0       | _         | _         | _       | 0            | 0          | _         | _               |
| C.N.M.I.                                |         | _   | -              | _               |              | -       | _            | _       | _         | _         | -       | _            | _          | _         | -               |
| Guam<br>Puerto Rico                     | N       | 0   | 0              | N               | N            | _       | 0            | 2       | 3         | 1         | -       | 0            | 0          | 3         | -               |
| U.S. Virgin Islands                     | N       | 0   | 0              | N               |              |         | 0            | 0       | 1         | 3         | _       | 0            | 0          | _         |                 |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.
\* Incidence data for reporting year 2008 are provisional.
† Data for meningococcal disease, invasive caused by serogroups A, C, Y, & W-135; serogroup B; other serogroup; and unknown serogroup are available in Table I.

§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

|                                      |          |     | Pertussis     |             |              |                 | Ra    | bies, anin | nal         |             | -       | Rocky Mo     | untain spo | otted fever |             |
|--------------------------------------|----------|-----|---------------|-------------|--------------|-----------------|-------|------------|-------------|-------------|---------|--------------|------------|-------------|-------------|
|                                      |          |     | rious<br>eeks |             |              |                 | Previ |            |             |             |         | Prev<br>52 w |            |             |             |
| Reporting area                       | Current  | Med | Max           | Cum<br>2008 | Cum<br>2007  | Current<br>week | Med   | Max        | Cum<br>2008 | Cum<br>2007 | Current | Med          | Max        | Cum<br>2008 | Cum<br>2007 |
| Inited States                        | 153      | 164 | 849           | 7.925       | 8,795        | 13              | 95    | 151        | 4.305       | 5.594       | 53      | 37           | 195        | 2.146       | 1.887       |
| lew England                          | _        | 14  | 49            | 564         | 1,377        | 4               | 7     | 20         | 338         | 495         | -       | 0            | 1          | 2           | 8           |
| Connecticut                          | _        | 0   | 4             | 34          | 82           | 1               | 4     | 17         | 187         | 208         | _       | 0            | 0          | _           | _           |
| Maine†<br>Massachusetts              |          | 10  | 5<br>33       | 37<br>420   | 75<br>1,060  | 2<br>N          | 1     | 5          | 54<br>N     | 80<br>N     | N       | 0            | 0          | N<br>1      | N<br>7      |
| New Hampshire                        | _        | 0   | 4             | 32          | 76           | -               | 1     | 3          | 35          | 51          | _       | ő            | i          | 1           | 1           |
| Rhode Island†                        | _        | 0   | 25            | 29          | 29           | N               | 0     | 0          | N           | N 156       | _       | 0            | 0          | _           | _           |
| /ermont†                             | 21       | 19  | 6<br>43       | 12<br>912   | 55           | 1               | 1     | 6<br>50    | 62<br>1,182 | 156         | _       | 0            | 0          | 76          | 74          |
| Mid. Atlantic<br>New Jersey          | -        | 1   | 9             | 48          | 1,152<br>202 |                 | 22    | 0          | 1,102       | 939         | _       | 0            | 2          | 12          | 29          |
| New York (Upstate)                   | 6        | 7   | 24            | 396         | 499          | 3               | 9     | 20         | 464         | 488         | -       | 0            | 2          | 16          | 6           |
| New York City<br>Pennsylvania        | 15       | 1 9 | 6<br>23       | 46<br>422   | 137<br>314   |                 | 0     | 2<br>35    | 13<br>705   | 42          | _       | 0            | 2          | 24          | 24<br>15    |
| E.N. Central                         | 32       | 22  | 189           | 1.288       | 1.419        | 2               | 3     | 28         | 243         | 401         | 1       | 1            | 13         | 127         | 58          |
| llinois                              | -        | 3   | 18            | 213         | 178          | _               | 1     | 21         | 103         | 113         |         | 0            | 10         | 84          | 38          |
| Indiana                              | 3        | 1   | 15            | 95          | 53           | _               | 0     | 2          | 10          | 12          | 1       | 0            | 3          | 8           | 5           |
| Michigan<br>Ohio                     | 6 23     | 5   | 14<br>176     | 240<br>676  | 273<br>593   | 2               | 1     | 8 7        | 71<br>59    | 200<br>76   | =       | 0            | 1 4        | 31          | 10          |
| Wisconsin                            | _        | 1   | 7             | 64          | 322          | N               | Ó     | ó          | N           | N           | _       | o            | 1          | 1           | 1           |
| W.N. Central                         | 38       | 14  | 142           | 937         | 669          | 1               | 3     | 12         | 175         | 244         | 2       | 5            | 36         | 494         | 358         |
| lowa<br>Kansas                       | 1        | 1   | 13            | 70<br>57    | 138<br>97    | -               | 0     | 5 7        | 27          | 30<br>99    | _       | 0            | 2          | 6           | 16<br>12    |
| Minnesota                            | _        | 2   | 131           | 223         | 210          | _               | 0     | 10         | 61          | 32          | 1       | 0            | 4          | 1           | 1           |
| Missouri                             | 25       | 5   | 46            | 355         | 92           | 1               | 0     | 9          | 51          | 38          | 1       | 4            | 35         | 464         | 310         |
| Nebraska†<br>North Dakota            | 12       | 2   | 33<br>5       | 213         | 68           | _               | 0     | 0          | 24          | 21          | -       | 0            | 4          | 20          | 14          |
| South Dakota                         | _        | 0   | 3             | 18          | 57           | _               | 0     | 2          | 12          | 24          | _       | 0            | 1          | 3           | 5           |
| S. Atlantic                          | 13       | 14  | 50            | 767         | 868          |                 | 37    | 101        | 1,858       | 2,043       | 27      | 12           | 70         | 826         | 891         |
| Delaware                             | _        | 0   | 3             | 16          | 11           | _               | 0     | 0          | _           | _           | _       | 0            | 4          | 29          | 16          |
| District of Columbia<br>Florida      | 11       | 0   | 20            | 5<br>266    | 197          |                 | 0     | 77         | 133         | 128         | 1       | 0            | 2          | 7<br>18     | 3<br>15     |
| Georgia                              |          | 1   | 6             | 59          | 33           | _               | 6     | 42         | 288         | 272         |         | 1            | 8          | 72          | 58          |
| Maryland†                            | 1        | 2   | 9             | 108         | 111          | _               | 8     | 17         | 386         | 398         | 2       | 1            | 7          | 66          | 61          |
| North Carolina<br>South Carolina     | 1        | 0 2 | 38<br>22      | 79<br>98    | 288<br>71    | _               | 9     | 16         | 424         | 450<br>46   | 24      | 1            | 55         | 438<br>50   | 563<br>61   |
| Virginia <sup>†</sup>                | _        | 3   | 10            | 130         | 118          | _               | 12    | 24         | 554         | 673         | _       | 1            | 15         | 139         | 109         |
| West Virginia                        | -        | 0   | 2             | 6           | 30           | _               | 1     | 9          | 73          | 76          | _       | 0            | 1          | 7           | 5           |
| E.S. Central<br>Alabama <sup>†</sup> | 1        | 7   | 15            | 298<br>44   | 436<br>85    | _               | 3     | 7          | 165         | 147         | 3       | 3            | 23         | 303<br>86   | 270<br>93   |
| Kentucky                             | 1        | 1   | 8             | 91          | 28           | _               | 0     | 4          | 45          | 18          | _       | Ó            | 1          | 1           | 5           |
| Mississippi                          | _        | 2   | 6             | 88          | 246          | -               | 0     | 1          | 2           | 2           | _       | 0            | 1          | 6           | 20          |
| Tennessee <sup>†</sup>               | _        | 1   | 6             | 75          | 77           |                 | 2     | 6          | 118         | 127         | 3       | 2            | 19         | 210         | 152         |
| W.S. Central<br>Arkansas†            | 33<br>18 | 26  | 198           | 1,387       | 981<br>159   | _               | 1     | 40         | 85<br>47    | 1,002       | 18      | 2            | 153        | 280<br>65   | 190         |
| Louisiana                            | _        | 1   | 7             | 69          | 20           | _               | 0     | 0          | _           | 6           | _       | 0            | 1          | 5           | 4           |
| Oklahoma<br>Texas <sup>†</sup>       | 15       | 21  | 26<br>179     | 53<br>1,197 | 23<br>779    | _               | 0     | 32<br>12   | 36          | 45<br>921   | 10      | 0            | 132        | 168<br>42   | 48<br>38    |
| Mountain                             | 5        | 15  | 37            | 704         | 1,001        |                 | 1     | 8          | 75          | 93          | 2       | 0            | 3          | 34          | 35          |
| Arizona                              | _        | 3   | 10            | 186         | 199          | N               | 0     | 0          | N           | N           | 2       | Ö            | 2          | 15          | 9           |
| Colorado                             | 4        | 3   | 13            | 140         | 272          | _               | 0     | 0          | _           | _           | ments.  | 0            | 1          | 1           | 3           |
| Idaho†<br>Montana†                   |          | 0   | 5<br>11       | 29<br>77    | 41           | _               | 0     | 2          | 8           | 12          | =       | 0            | 1          | 3           | 4           |
| Nevada†                              | 1        | Ó   | 7             | 19          | 37           | _               | 0     | 4          | 5           | 13          | -       | 0            | 2          | 2           | _           |
| New Mexico†                          | -        | 1   | 5             | 48          | 71           | -               | 0     | 3          | 25          | 14          | -       | 0            | 1          | 2           | 5           |
| Utah<br>Wyoming <sup>†</sup>         | _        | 5   | 27            | 189<br>16   | 314          | -               | 0     | 6          | 13          | 16<br>18    | _       | 0            | 0 2        | 10          | 13          |
| Pacific                              | 10       | 22  | 303           | 1,068       | 892          | 3               | 3     | 13         | 184         | 230         | _       | 0            | 1          | 4           | 3           |
| Alaska                               | 7        | 2   | 19            | 202         | 86           | _               | 0     | 4          | 14          | 42          | N       | 0            | Ó          | N           | N           |
| California                           | _        | 7   | 129           | 328         | 412          | 3               | 0     | 12         | 157         | 176         | N       | 0            | 1          | 1<br>N      | 1<br>N      |
| Hawaii<br>Oregon <sup>†</sup>        | _        | 0   | 2             | 11          | 18<br>112    | _               | 0     | 4          | 13          | 12          | -       | 0            | 1          | 3           | 2           |
| Washington                           | 3        | 5   | 169           | 371         | 264          | volum           | 0     | 0          | -           | _           | N       | 0            | 0          | N           | N           |
| American Samoa                       | _        | 0   | 0             | _           | _            | N               | 0     | 0          | N           | N           | N       | 0            | 0          | N           | N           |
| C.N.M.I.<br>Guam                     | _        | 0   | 0             |             | _            | _               | 0     | 0          | _           | _           | N       | 0            | 0          | N           | N           |
| Puerto Rico                          |          | 0   | 0             | _           | _            | _               | 1     | 5          | 59          | 47          |         | 0            | 0          | N           | N           |
| U.S. Virgin Islands                  | _        | 0   | 0             | _           | _            | N               | 0     | 0          | N           | N           | N       | 0            | 0          | N           | N           |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.
\* Incidence data for reporting year 2008 are provisional.
† Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

|   |          | S        | almonellos | sis            |                | Shig    | a toxin-pr | oducing  | E. coli (S1 | EC)†       |         |          | Shigellosi | S            |              |
|---|----------|----------|------------|----------------|----------------|---------|------------|----------|-------------|------------|---------|----------|------------|--------------|--------------|
|   |          |          | vious      |                |                |         | Prev       |          |             |            |         |          | vious      |              |              |
|   | Current  | 52 w     | reeks      | Cum            | Cum            | Current | 52 w       | eeks     | Cum         | Cum        | Current |          | veeks      | Cum          | Cum          |
| Reporting area                          | week     | Med      | Max        | 2008           | 2007           | week    | Med        | Max      | 2008        | 2007       | week    | Med      | Max        | 2008         | 2007         |
| United States                           | 602      | 850      | 2,110      | 40,375         | 42,509         | 54      | 85         | 249      | 4,669       | 4,444      | 369     | 420      | 1,227      | 17,705       | 16,625       |
| New England                             | 1        | 19       | 471        | 1,607          | 2,150          | _       | 3          | 53       | 214         | 301        | -       | 2        | 37         | 151          | 233          |
| Connecticut<br>Maine <sup>6</sup>       | 1        | 0        | 442        | 442<br>134     | 431<br>128     | _       | 0          | 50       | 50<br>22    | 71<br>39   |         | 0        | 36<br>6    | 36<br>21     | 44           |
| Massachusetts                           | -        | 14       | 52         | 741            | 1.248          | _       | 1          | 11       | 80          | 136        | -       | 2        | 5          | 78           | 145          |
| New Hampshire                           | ******   | 2        | 10         | 126            | 160            | -       | 0          | 3        | 30          | 34         | _       | 0        | 1          | 3            | 5            |
| Rhode Island®                           | -        | 1        | 8 7        | 92<br>72       | 104<br>79      | _       | 0          | 3        | 8<br>24     | 7          | _       | 0        | 1          | 10           | 22           |
| Vermont <sup>5</sup>                    | -        | 86       |            | 4.609          |                | 5       | 6          | 192      | 569         | 489        |         | 41       | 96         | 2.090        | 732          |
| Mid. Atlantic<br>New Jersey             | 28       | 14       | 169<br>30  | 585            | 5,538<br>1,157 | - 5     | 0          | 4        | 26          | 111        | 10      | 9        | 38         | 708          | 166          |
| New York (Upstate)                      | 12       | 25       | 73         | 1,270          | 1,319          | 5       | 2          | 188      | 398         | 189        | 4       | 10       | 35         | 537          | 149          |
| New York City                           | 2        | 22       | 53         | 1,175          | 1,227          | -       | 1          | 5        | 55          | 47         | 1       | 12       | 35         | 650          | 254          |
| Pennsylvania                            | 14       | 27       | 78         | 1,579          | 1,835          | _       | 1          | 8        | 90          | 142        | 5       | 3        | 65         | 195          | 163          |
| E.N. Central<br>Illinois                | 28       | 87<br>22 | 180<br>67  | 4,314<br>1,021 | 5,506<br>1,848 | 6       | 10         | 66<br>8  | 797<br>81   | 694<br>129 | 82      | 70<br>16 | 145<br>29  | 3,352<br>704 | 2,664<br>656 |
| Indiana                                 | etau-    | 9        | 53         | 566            | 617            | 4       | 1          | 14       | 88          | 95         | _       | 11       | 83         | 565          | 142          |
| Michigan                                | 3        | 17       | 38         | 810            | 885            | _       | 2          | 39       | 201         | 114        | 2       | 2        | 8          | 130          | 79           |
| Ohio<br>Wisconsin                       | 25       | 24<br>15 | 65<br>50   | 1,192<br>725   | 1,230<br>926   | 2       | 3          | 17<br>18 | 187<br>240  | 151<br>205 | 80      | 27<br>9  | 76<br>39   | 1,568<br>385 | 1,135<br>652 |
|   | 22       | 49       | 134        | 2.557          | 2.618          | 9       | 13         | 59       | 753         | 734        | 2       | 16       | 39         | 801          | 1,730        |
| W.N. Central<br>Iowa                    | 22       | 8        | 154        | 376            | 448            | 9       | 2          | 20       | 192         | 172        | _       | 3        | 11         | 144          | 93           |
| Kansas                                  | -        | 7        | 31         | 438            | 387            | _       | 0          | 7        | 49          | 50         | -       | 1        | 5          | 56           | 24           |
| Minnesota                               | 7        | 13       | 70         | 666            | 629            | 4       | 3          | 21       | 189         | 219        | _       | 5        | 25         | 279          | 223          |
| Missouri<br>Nebraska <sup>§</sup>       | 11       | 13       | 51<br>13   | 695<br>212     | 707<br>251     | 2       | 2          | 9<br>29  | 135<br>142  | 149<br>89  | 2       | 4        | 14         | 197          | 1,238        |
| North Dakota                            | _        | 0        | 35         | 42             | 42             | _       | ó          | 20       | 3           | 8          | _       | o        | 15         | 37           | 4            |
| South Dakota                            | _        | 2        | 11         | 128            | 154            | _       | 1          | 4        | 43          | 47         | _       | 0        | 9          | 76           | 121          |
| S. Atlantic                             | 230      | 260      | 456        | 11,003         | 11,095         | 5       | 14         | 50       | 725         | 632        | 58      | 57       | 149        | 2,760        | 4,168        |
| Delaware<br>District of Columbia        | _        | 3        | 9          | 141<br>46      | 134<br>55      | _       | 0          | 1        | 10          | 15         | _       | 0        | 3          | 13           | 10           |
| Florida                                 | 144      | 102      | 174        | 4,750          | 4,407          |         | 2          | 18       | 138         | 135        | 19      | 15       | 75         | 748          | 2.045        |
| Georgia                                 | 14       | 40       | 86         | 2,057          | 1,862          | _       | 1          | 7        | 85          | 91         | 15      | 21       | 48         | 999          | 1,470        |
| Maryland <sup>6</sup><br>North Carolina | 13<br>39 | 12<br>22 | 35<br>228  | 686<br>1,277   | 1,468          | 1       | 2          | 9        | 113         | 78<br>131  | 13      | 1 2      | 5<br>27    | 78<br>212    | 103          |
| South Carolina                          | 7        | 20       | 55         | 994            | 1,466          | 1       | 1          | 4        | 39          | 14         | 1       | 9        | 32         | 495          | 178          |
| Virginia <sup>6</sup>                   | 13       | 18       | 49         | 907            | 1,088          | 3       | 3          | 25       | 199         | 150        | 6       | 4        | 13         | 192          | 171          |
| West Virginia                           | _        | 3        | 25         | 145            | 183            | minus   | 0          | 3        | 29          | 18         | _       | 0        | 61         | 16           | 79           |
| E.S. Central                            | 19       | 55       | 136        | 3,103          | 3,194          | 2       | 5          | 21       | 261         | 307        | 14      | 39       | 95         | 1,718        | 2,673        |
| Alabama <sup>6</sup><br>Kentucky        | 10       | 15       | 47<br>18   | 873<br>441     | 879<br>532     | 2       | 1          | 17       | 57<br>95    | 63<br>121  | 1       | 8        | 24<br>24   | 364<br>247   | 667<br>466   |
| Mississippi                             | _        | 13       | 57         | 964            | 999            | _       | 0          | 2        | 6           | 7          | -       | 6        | 51         | 288          | 1.245        |
| Tennessee <sup>§</sup>                  | 4        | 15       | 55         | 825            | 784            | -       | 2          | 7        | 103         | 116        | 13      | 17       | 43         | 819          | 295          |
| W.S. Central                            | 104      | 104      | 894        | 5,271          | 4,704          | 5       | 6          | 26       | 290         | 243        | 110     | 88       | 748        | 4,149        | 2,117        |
| Arkansas <sup>§</sup><br>Louisiana      | 8        | 12<br>16 | 40         | 723<br>905     | 772<br>916     | _       | 0          | 3        | 41          | 42<br>10   | 16      | 10       | 27<br>25   | 526<br>546   | 81<br>473    |
| Oklahoma                                | 14       | 15       | 72         | 757            | 593            | 4       | 0          | 19       | 50          | 16         | 7       | 3        | 32         | 163          | 123          |
| Texas <sup>§</sup>                      | . 82     | 45       | 794        | 2,886          | 2,423          | 1       | 4          | 11       | 197         | 175        | 87      | 58       | 702        | 2,914        | 1,440        |
| Mountain                                | 54       | 56       | 109        | 2,897          | 2,521          | 4       | 9          | 36       | 533         | 559        | 32      | 18       | 54         | 1,073        | 889          |
| Arizona<br>Colorado                     | 17<br>17 | 19<br>12 | 46<br>43   | 1,018          | 917<br>530     | 1       | 3          | 5<br>17  | 64<br>187   | 103<br>151 | 24      | 9 2      | 35<br>9    | 576<br>117   | 510<br>112   |
| Idaho <sup>6</sup>                      | 9        | 3        | 14         | 172            | 140            | 1       | 2          | 15       | 135         | 124        | 1       | 0        | 2          | 14           | 13           |
| Montana <sup>6</sup>                    | -        | 2        | 10         | 106            | 97             | _       | 0          | 3        | 31          | -          | _       | 0        | 1          | 8            | 24           |
| New Mexico <sup>§</sup>                 | 3        | 3        | 33         | 167<br>452     | 240<br>269     | 1       | 0          | 2        | 10<br>47    | 30         | 3       | 4        | 13         | 214          | 62<br>101    |
| Utah                                    | 8        | 6<br>5   | 17         | 290            | 260            | =       | 1          | 6        | 54          | 39<br>93   | 3       | 1        | 4          | 102<br>37    | 35           |
| Wyoming <sup>5</sup>                    |          | 1        | 4          | 41             | 68             | _       | Ó          | 2        | 5           | 19         | _       | o        | 1          | 5            | 32           |
| Pacific                                 | 116      | 111      | 399        | 5,014          | 5,183          | 18      | 8          | 50       | 527         | 485        | 61      | 29       | 82         | 1,611        | 1,419        |
| Alaska                                  | 400      | 1        | 4          | 49             | 84             | -       | 0          | 1        | 7           | 4          | _       | 0        | 1          | 1 200        | 4 420        |
| California<br>Hawaii                    | 109      | 78<br>5  | 286<br>15  | 3,669          | 3,917          | 10      | 5          | 39       | 280         | 249<br>30  | 61      | 26       | 74         | 1,390        | 1,138        |
| Oregon <sup>5</sup>                     | 40000    | 6        | 20         | 376            | 304            | -       | 1          | 8        | 62          | 74         | _       | 2        | 10         | 86           | 71           |
| Washington                              | 7        | 13       | 103        | 682            | 597            | 8       | 2          | 16       | 165         | 128        | -       | 2        | 13         | 94           | 136          |
| American Samoa                          | _        | 0        | 1          | 2              | _              | _       | 0          | 0        | _           | _          | _       | 0        | 1          | 1            | 5            |
| C.N.M.I.<br>Guam                        | -        | 0        | 2          | 13             | 15             | _       | 0          | 0        | _           | _          | _       | 0        | 3          | 15           | 16           |
| Puerto Rico                             | _        | 10       | 41         | 449            | 834            |         | 0          | 1        | 2           | 1          |         | 0        | 4          | 17           | 24           |
| U.S. Virgin Islands                     |          | 0        | 0          |                |                |         | 0          | 0        | _           |            | _       | 0        | 0          |              | _            |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median.
Incidence data for reporting year 2008 are provisional.
Includes E. coli O157:H7: Shiga toxin-positive, serogroup non-O157; and Shiga toxin-positive, not serogrouped.
Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.
Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007

|   |                 | Streptococcal | diseases, inv | asive, group A |            | Streptococc |      | e, invasive di<br>Age <5 years | sease, nondru | g resistant |
|---|-----------------|---------------|---------------|----------------|------------|-------------|------|--------------------------------|---------------|-------------|
|   |                 | Previ         |               |                |            |             | Prev |                                |               |             |
| Reporting area                                    | Current<br>week | 52 w          | Max           | 2008           | 2007       | Current     | 52 w | Max                            | 2008          | Cum<br>2007 |
|   |                 |               |               |                |            |             |      |                                |               |             |
| Inited States                                     | 42              | 96            | 259           | 4,666          | 4,687      | 21          | 34   | 166                            | 1,459         | 1,616       |
| New England<br>Connecticut                        | -               | 6             | 31<br>26      | 315<br>96      | 355<br>109 | _           | 0    | 14                             | 71<br>11      | 115         |
| Maine§  |                 | 0             | 3             | 25             | 26         |             | o    | 1                              | 2             | 3           |
| Massachusetts                                     | -               | 3             | 8             | 138            | 170        | _           | 0    | 5                              | 39            | 78          |
| New Hampshire                                     | -               | 0             | 2             | 26             | 26         | _           | 0    | 1                              | 11            | 11          |
| Rhode Island <sup>9</sup><br>Vermont <sup>§</sup> | _               | 0             | 9 2           | 18<br>12       | 8<br>16    | _           | 0    | 2                              | 7             | 8 2         |
| Mid. Atlantic                                     | 5               | 18            | 43            | 909            | 863        | 1           | 4    | 19                             | 190           | 284         |
| New Jersey  | _               | 3             | 11            | 137            | 157        | _           | 1    | 6                              | 56            | 60          |
| New York (Upstate)                                | 2               | 6             | 17            | 294            | 259        | 1           | 2    | 14                             | 93            | 92          |
| New York City<br>Pennsylvania                     | 3               | 6             | 10<br>16      | 170<br>308     | 211<br>236 | N           | 0    | 8                              | 41<br>N       | 132<br>N    |
|   |                 |               |               |                |            |             |      |                                |               |             |
| E.N. Central                                      | 4               | 19            | 42<br>16      | 848<br>222     | 879<br>264 | 1           | 6    | 23                             | 240<br>48     | 278<br>75   |
| Indiana   | 3               | 2             | 11            | 122            | 105        | 1           | Ó    | 14                             | 36            | 18          |
| Michigan  | -               | 3             | 10            | 159            | 187        | _           | 1    | 5                              | 68            | 72          |
| Ohio  | 1               | 5 2           | 14            | 243            | 206        | _           | 1    | 5                              | 54<br>34      | 56<br>57    |
| Wisconsin   | - 10            |               | 10            | 102            | 117        | _           | 1    |                                |               |             |
| W.N. Central<br>owa                               | 12              | 5             | 39            | 357            | 310        | 7           | 2    | 16                             | 134           | 91          |
| Kansas  | _               | 0             | 5             | 36             | 30         | -           | 0    | 3                              | 18            | 1           |
| Minnesota   | 12              | 0             | 35            | 166            | 149        | 7           | 0    | 13                             | 60            | 48          |
| Missouri  | _               | 2             | 10            | 83             | 79         | -           | 1    | 2                              | 31            | 24          |
| Nebraska <sup>§</sup><br>North Dakota             | -               | 1             | 3 5           | 39<br>12       | 23<br>18   | =           | 0    | 2 2                            | 8             | 17          |
| South Dakota                                      | _               | o             | 2             | 21             | 11         | _           | 0    | 1                              | 9             | _           |
| S. Atlantic                                       | 13              | 21            | 37            | 1,006          | 1.145      | 5           | 6    | 16                             | 270           | 293         |
| Delaware  | _               | 0             | 2             | 8              | 10         | _           | 0    | 0                              | _             | _           |
| District of Columbia                              | _               | 0             | 4             | 26             | 17         | _           | 0    | 1                              | 2             | 2           |
| Florida   | 7 2             | 5             | 10<br>14      | 246            | 290        | 2           | 1    | 5                              | 61<br>62      | 60<br>71    |
| Georgia<br>Maryland <sup>§</sup>                  | 2               | 5             | 8             | 218<br>167     | 229<br>191 | 3           | 1    | 5                              | 52            | 60          |
| North Carolina                                    | 1               | 2             | 10            | 126            | 150        | N           | Ó    | 0                              | N             | N           |
| South Carolina§                                   | _               | 1             | 5             | 62             | 91         | _           | 1    | 4                              | 47            | 51          |
| Virginia§   | 1               | 3             | 12            | 121            | 141        | _           | 1    | 6                              | 38<br>8       | 42          |
| West Virginia                                     | -               | 0             | 3             | 32             | 26         |             |      |                                |               |             |
| E.S. Central<br>Alabama§                          | N               | 4             | 9             | 160<br>N       | 196<br>N   | 1<br>N      | 2    | 11                             | 93<br>N       | 91<br>N     |
| Kentucky  |                 | 1             | 3             | 38             | 37         | N           | 0    | o                              | N             | N           |
| Mississippi                                       | N               | 0             | 0             | N              | N          | _           | 0    | 3                              | 20            | 6           |
| Tennessee§  | _               | 3             | 6             | 122            | 159        | 1           | 2    | 9                              | 73            | 85          |
| W.S. Central                                      | 4               | 9             | 85            | 419            | 280        | 3           | 5    | 66                             | 242           | 230         |
| Arkansas <sup>§</sup>                             | _               | 0             | 2 2           | 5<br>16        | 17<br>16   | _           | 0    | 2 2                            | 6             | 14<br>35    |
| Louisiana<br>Oklahoma                             | 2               | 2             | 19            | 104            | 63         | _           | 1    | 7                              | 59            | 50          |
| Texas <sup>§</sup>                                | 2               | 6             | 65            | 294            | 184        | 3           | 3    | 58                             | 167           | 131         |
| Mountain  | 4               | 11            | 22            | 498            | 525        | 3           | 4    | 12                             | 204           | 221         |
| Arizona   | 2               | 4             | 9             | 187            | 196        | 3           | 2    | 8                              | 103           | 109         |
| Colorado  | 2               | 3             | 8             | 137<br>15      | 131        | _           | 0    | 4                              | 55<br>5       | 43          |
| Idaho§<br>Montana§                                | N               | 0             | 2             | N N            | N N        | _           | 0    | 1                              | 4             | 1           |
| Nevada§   | -               | o             | 1             | 12             | 2          | N           | 0    | 0                              | N             | N           |
| New Mexico§                                       | _               | 2             | 8             | 90             | 96         | _           | 0    | 3                              | 17            | 38          |
| Utah<br>Wuoming <sup>§</sup>                      | _               | 1             | 5 2           | 51             | 78         | _           | 0    | 3                              | 19            | 28          |
| Wyoming§  | _               | 0             |               | 6              | 5          | -           |      |                                |               |             |
| Pacific<br>Alaska                                 | -               | 3             | 10            | 154<br>36      | 134<br>25  | N           | 0    | 2                              | 15<br>N       | 13<br>N     |
| California  | _               | Ó             | 0             | -              | 25         | N           | 0    | 0                              | N             | N           |
| Hawaii  | _               | 2             | 10            | 118            | 109        |             | 0    | 2                              | 15            | 13          |
| Oregon§   | N               | 0             | 0             | N              | N          | N           | 0    | 0                              | N             | N           |
| Washington  | N               | 0             | 0             | N              | N          | N           | 0    | 0                              | N             | N           |
| American Samoa                                    | _               | 0             | 12            | 30             | 4          | N           | 0    | 0                              | N             | N           |
| C.N.M.I.<br>Guam                                  | _               | 0             | 0             | _              | 14         | _           | 0    | 0                              | =             | _           |
| Puerto Rico                                       | N               | 0             | 0             | N              | N          | N           | o    | o                              | N             | N           |
| U.S. Virgin Islands                               |                 | 0             | 0             | _              | _          | N           | 0    | 0                              | N             | N           |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

\*Incidence data for reporting year 2008 are provisional.

\*Includes cases of invasive pneumococcal disease, in children aged <5 years, caused by S. pneumoniae, which is susceptible or for which susceptibility testing is not available.

(NNDSS event code 11717). § Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007

|  |         | S    | treptococi | cus pneun  | noniae, in | vasive disi | ease, drug | resistan | f,        |        |         |             |           |            |            |
|--|---------|------|------------|------------|------------|-------------|------------|----------|-----------|--------|---------|-------------|-----------|------------|------------|
|  |         |      | A          |            |            |             |            | В        |           |        | Sy      | philis, pri | mary and  | d seconda  | ry         |
|  |         | Prev | ious       |            |            |             | Prev       | ious     |           |        |         | Prev        | lous      |            |            |
|  | Current | 52 w | eeks       | Cum        | Cum        | Current     | 52 w       | eeks     | Cum       | Cum    | Current | 52 w        | eeks      | Cum        | Cum        |
| Reporting area                         | week    | Med  | Max        | 2008       | 2007       | week        | Med        | Max      | 2008      | 2007   | week    | Med         | Max       | 2008       | 2007       |
| United States                          | 48      | 55   | 307        | 2,518      | 2,687      | 6           | 9          | 43       | 380       | 468    | 83      | 239         | 351       | 10,658     | 10,069     |
| New England                            | _       | 1    | 49         | 100        | 104        | _           | 0          | 8        | 13        | 13     | 3       | 6           | 13        | 280        | 246        |
| Connecticut                            | _       | 0    | 48         | 55         | 55         | -           | 0          | 7        | 5         | 4      | 1       | 0           | 6         | 30         | 32         |
| Maine <sup>§</sup>                     | -       | 0    | 2          | 16         | 11 2       | _           | 0          | 1        | 2         | 2 2    | 2       | 0           | 11        | 201        | 9<br>146   |
| Massachusetts<br>New Hampshire         | _       | 0    | 0          | _          | _          | -           | 0          | 0        | _         | _      |         | 0           | 2         | 19         | 26         |
| Rhode Island <sup>6</sup>              | -       | 0    | 3          | 16         | 19         | _           | 0          | 1        | 4         | 3      | _       | 0           | 5         | 13         | 30         |
| Vermont <sup>§</sup>                   | _       | 0    | 2          | 13         | 17         | -           | 0          | 1        | 2         | 2      | -       | 0           | 5         | 7          | 3          |
| Mid. Atlantic                          | 3       | 4    | 13         | 213        | 144        | - martines  | 0          | 2        | 20        | 27     | 11      | 32          | 51        | 1,513      | 1,379      |
| New Jersey<br>New York (Upstate)       | 1       | 0    | 6          | 57         | 49         | _           | 0          | 0 2      | 6         | 10     | 1       | 3           | 10<br>13  | 188<br>121 | 124        |
| New York City                          | _       | 1    | 5          | 64         | -          | _           | o          | ō        | _         | _      | _       | 21          | 37        | 971        | 812        |
| Pennsylvania                           | 2       | 2    | 9          | 92         | 95         | _           | 0          | 2        | 14        | 17     | 10      | 5           | 12        | 233        | 243        |
| E.N. Central                           | 15      | 13   | 64         | 624        | 700        | -           | 2          | 14       | 87        | 111    | 20      | 19          | 33        | 911        | 797        |
| Illinois                               | 7       | 0    | 17         | 71         | 182        | -           | 0          | 6        | 14        | 41     | -       | 5 2         | 14        | 228<br>124 | 413        |
| Indiana<br>Michigan                    | -       | 2    | 39         | 187        | 150        | _           | 0          | 11       | 21        | 24     | 19      | 3           | 17        | 201        | 101        |
| Ohio                                   | 8       | 8    | 17         | 352        | 365        | _           | 1          | 4        | 50        | 44     | 1       | 6           | 15        | 307        | 177        |
| Wisconsin                              | _       | 0    | 0          | -          | _          | -           | 0          | 0        | _         | -      |         | 1           | 4         | 51         | 56         |
| W.N. Central                           | -       | 3    | 115        | 141        | 182        | _           | 0          | 9        | 10        | 40     | _       | 8           | 15        | 351        | 323        |
| lowa                                   | -       | 0    | 0          | 58         | 83         | _           | 0          | 0        | 4         | 9      | _       | 0           | 2         | 15<br>27   | 17<br>21   |
| Kansas<br>Minnesota                    | _       | 0    | 114        | 50         | 25         | _           | 0          | 9        | -4        | 24     | _       | 2           | 5         | 96         | 53         |
| Missouri                               | -       | 2    | 8          | 77         | 58         | _           | 0          | 1        | 3         | 3      | _       | 5           | 10        | 204        | 221        |
| Nebraska§                              | _       | 0    | 0          | -          | 2          | -           | 0          | 0        | _         | _      | _       | 0           | 2         | 8          | 4          |
| North Dakota<br>South Dakota           | _       | 0    | 0 2        | 6          | 14         | _           | 0          | 0        | 3         | 4      | _       | 0           | 1         | 1          | 7          |
| S. Atlantic                            | 28      | 21   | 53         | 1,081      | 1,172      | 6           | 4          | 10       | 187       | 214    | 27      | 50          | 215       | 2.384      | 2.314      |
| Delaware                               | 20      | 0    | 1          | 3          | 11         | _           | 0          | 0        | -         | 2      | 1       | 0           | 4         | 15         | 15         |
| District of Columbia                   | _       | 0    | 3          | 15         | 19         | _           | 0          | 1        | 1         | 1      | _       | 2           | 8         | 116        | 165        |
| Florida                                | 21      | 13   | 30         | 637<br>340 | 638<br>438 | 3           | 3          | 6        | 119<br>56 | 114    | 14      | 20          | 36<br>175 | 912<br>500 | 799<br>450 |
| Georgia<br>Maryland <sup>§</sup>       | 7       | ó    | 23         | 340        | 436        | 3           | o          | 1        | 1         | 89     | _       | 6           | 14        | 283        | 298        |
| North Carolina                         | N       | O    | 0          | N          | N          | N           | 0          | 0        | N         | N      | 12      | 5           | 19        | 250        | 292        |
| South Carolina§                        |         | 0    | 0          | -          |            |             | 0          | 0        | -         | -      | _       | 1           | 5         | 76         | 86         |
| Virginia <sup>§</sup><br>West Virginia | N       | 0    | 9          | N<br>82    | N<br>65    | N           | 0          | 0        | N<br>10   | N<br>8 | _       | 4           | 17        | 230        | 203        |
| E.S. Central                           | 2       | 5    | 15         | 249        | 245        | _           | 1          | 4        | 43        | 36     | 10      | 21          | 36        | 1.009      | 821        |
| Alabama§                               | N       | 0    | 0          | 249<br>N   | 245<br>N   | N           | o          | 0        | N N       | N      | -       | 8           | 17        | 392        | 341        |
| Kentucky                               | 1       | 1    | 6          | 71         | 24         | -           | 0          | 2        | 12        | 3      | 2       | 1           | 7         | 77         | 53         |
| Mississippi                            | 1       | 0    | 3          | 174        | 54<br>167  | _           | 0          | 1        | 30        | 33     | 8       | 3           | 19<br>18  | 158<br>382 | 106<br>321 |
| Tennessee§                             | 1       | 3    | 13         |            |            | _           |            |          |           |        |         |             | 61        | 1.868      | 1.697      |
| W.S. Central<br>Arkansas§              | (many)  | 2    | 7 2        | 74<br>15   | 82         | _           | 0          | 2        | 12        | 11     | 4       | 41          | 19        | 1,868      | 112        |
| Louisiana                              | _       | 1    | 7          | 59         | 76         | _           | 0          | 2        | 9         | 9      | _       | 11          | 30        | 524        | 468        |
| Oklahoma                               | N       | 0    | 0          | N          | N          | N           | 0          | 0        | N         | N      | _       | 1           | 5         | 54         | 58         |
| Texas <sup>§</sup>                     | _       | 0    | 0          | _          | _          | -           | 0          | 0        | _         | _      | _       | 24          | 48        | 1,132      | 1,059      |
| Mountain<br>Arizona                    | _       | 1    | 7          | 34         | 55         | _           | 0          | 2        | 6         | 13     | 2       | 9           | 22<br>17  | 405<br>200 | 470<br>260 |
| Colorado                               | _       | 0    | 0          | _          | _          | _           | 0          | 0        | _         | _      | 1       | 2           | 7         | 92         | 47         |
| Idaho <sup>§</sup>                     | N       | 0    | 0          | N          | N          | N           | 0          | 0        | N         | N      | -       | 0           | 2         | 6          | 1          |
| Montana <sup>®</sup>                   | - NI    | 0    | 0          | N          | B1         | N           | 0          | 0        | - NI      | A.I    | _       | 0           | 3         | 68         | 98         |
| New Mexico§                            | N       | 0    | 0          | 2          | N          | - 14        | 0          | 0        | N         | N      | _       | 1           | 4         | 36         | 38         |
| Utah                                   | _       | 0    | 7          | 30         | 39         | -           | 0          | 2        | 6         | 11     | _       | Ó           | 2         | _          | 17         |
| Wyoming§                               | -       | 0    | 1          | 2          | 16         | _           | 0          | 1        | _         | 2      | _       | 0           | 1         | 3          | 4          |
| Pacific                                | _       | 0    | 1          | 2          | 3          |             | 0          | 1        | 2         | 3      | 6       | 44          | 65        | 1,937      | 2,022      |
| Alaska<br>California                   | N       | 0    | 0          | N          | N          | N           | 0          | 0        | N         | N      | 4       | 30          | 59        | 1,745      | 1,858      |
| Hawaii                                 |         | 0    | 1          | 2          | 3          | -           | 0          | 1        | 2         | 3      | _       | 0           | 2         | 16         | 1,050      |
| Oregon <sup>§</sup>                    | N       | 0    | 0          | N          | N          | N           | 0          | 0        | N         | N      | _       | 0           | 3         | 23         | 16         |
| Washington                             | N       | 0    | 0          | N          | N          | N           | 0          | 0        | N         | N      | 2       | 3           | 9         | 152        | 133        |
| American Samoa                         | N       | 0    | 0          | N          | N          | N           | 0          | 0        | N         | N      | _       | 0           | 0         | _          | 4          |
| C.N.M.I.<br>Guam                       | _       | 0    | 0          | _          | _          | _           | 0          | 0        | _         | _      | _       | 0           | 0         | =          | _          |
| Puerto Rico                            | *****   | 0    | o          | _          | _          | -           | 0          | 0        | _         | _      | 8       | 3           | 11        | 151        | 147        |
| U.S. Virgin Islands                    | _       | 0    | 0          | _          | _          | _           | 0          | 0        | _         | _      | _       | 0           | 0         | _          | _          |

C.N.M.I. Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

\* Incidence data for reporting year 2008 are provisional.

† Includes cases of invasive pneumococcal disease caused by drug-resistant S. pneumoniae (DRSP) (NNDSS event code 11720).

§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 22, 2008, and November 24, 2007 (47th week)\*

|                                   |         |      | M - 1-61 1  |            |              |         | **  |           |      | est Nile V | irus diseas |              |           |                   |            |
|-----------------------------------|---------|------|-------------|------------|--------------|---------|-----|-----------|------|------------|-------------|--------------|-----------|-------------------|------------|
|                                   |         |      | ella (chick | enpox)     |              |         |     | uroinvasi | ve   |            |             | -            | neuroinva | sive <sup>9</sup> |            |
|                                   | Current | 52 v | vious       | Cum        | Cum          | Current |     | eeks      | Cum  | Cum        | Current     | Prev<br>52 w | eeks      | Cum               | Cum        |
| Reporting area                    | week    | Med  | Max         | 2008       | 2007         | week    | Med | Max       | 2008 | 2007       | week        | Med          | Max       | 2008              | 2007       |
| Inited States                     | 383     | 530  | 1,660       | 23,761     | 35,102       | -       | 1   | 80        | 623  | 1,222      | -           | 2            | 84        | 710               | 2,397      |
| New England                       | 6       | 11   | 68<br>38    | 464        | 2,288        | _       | 0   | 2         | 6    | 5 2        | -           | 0            | 1         | 3                 | 6 2        |
| Connecticut<br>Maine <sup>¶</sup> | _       | 0    | 14          | _          | 1,301<br>312 | _       | 0   | 0         | 5    | 2          | _           | 0            | 1         | 3                 | 2          |
| Massachusetts                     | -       | 0    | 1           | 1          | -            | _       | O   | 0         | _    | 3          | _           | 0            | 0         | _                 | 3          |
| New Hampshire                     | _       | 6    | 13          | 226        | 337          | -       | 0   | 0         | _    | -          | _           | 0            | 0         | -                 | -          |
| Rhode Island                      | _       | 0    | 0           |            | _            | -       | 0   | 1         | 1    |            | _           | 0            | 0         | -                 | 1          |
| Vermont <sup>¶</sup>              | 6       | 6    | 17          | 237        | 338          | -       | 0   | 0         | -    | -          | _           | 0            | 0         | -                 | _          |
| Mid. Atlantic<br>New Jersey       | 49<br>N | 48   | 80          | 2,067<br>N | 4,367<br>N   | _       | 0   | 8         | 45   | 22         | _           | 0            | 5         | 19                | 11         |
| New York (Upstate)                | N       | 0    | 0           | N          | N            | -       | O   | 5         | 23   | 3          | -           | Ö            | 2         | 7                 | 1          |
| New York City                     | N       | 0    | 0           | N          | N            | _       | 0   | 2         | 8    | 13         | _           | 0            | 2         | 6                 | 5          |
| Pennsylvania                      | 49      | 48   | 80          | 2,067      | 4,367        | 100000  | 0   | 2         | 11   | 5          | -           | 0            | 1         | 2                 | 5          |
| E.N. Central                      | 114     | 134  | 336         | 5,941      | 9,974        | -       | 0   | 7         | 43   | 112        | -           | 0            | 5         | 22                | 65         |
| Illinois<br>Indiana               | -       | 14   | 63<br>222   | 978        | 1,035        | _       | 0   | 4         | 11   | 62<br>14   |             | 0            | 2         | 8                 | 38         |
| Michigan                          | 22      | 59   | 154         | 2,498      | 3,679        | _       | 0   | 4         | 11   | 16         | _           | 0            | 2         | 6                 | 1          |
| Ohio                              | 92      | 48   | 128         | 2,096      | 4,069        | _       | 0   | 3         | 16   | 13         | _           | 0            | 2         | 3                 | 10         |
| Wisconsin                         | _       | 3    | 38          | 369        | 969          | -       | 0   | 1         | 3    | 7          | -           | 0            | 1         | 4                 | 6          |
| W.N. Central                      | 38      | 20   | 145         | 1,092      | 1,427        | -       | 0   | 6         | 45   | 249        | besset      | 0            | 23        | 171               | 739        |
| lowa<br>Kansas                    | N<br>1  | 6    | 40          | N<br>392   | 511          | _       | 0   | 3 2       | 5 8  | 12         | -           | 0            | 1         | 29                | 18<br>26   |
| Minnesota                         | -       | 0    | 0           | 392        | 311          | _       | 0   | 2         | 3    | 44         | _           | 0            | 6         | 18                | 57         |
| Missouri                          | 37      | 10   | 51          | 631        | 835          | _       | 0   | 3         | 11   | 61         | _           | 0            | 1         | 7                 | 16         |
| Nebraska¶                         | N       | 0    | 0           | N          | N            | _       | 0   | 1         | 5    | 21         | _           | 0            | 8         | 44                | 142        |
| North Dakota                      | -       | 0    | 140         | 49         | 81           | _       | 0   | 2         | 2    | 49         | _           | 0            | 12        | 41<br>28          | 320<br>160 |
| South Dakota S. Atlantic          | C1      | 0    | 5<br>173    | 4.165      | 4.686        | _       | 0   | 5         | 11   | 48         | _           | 0            | 6         | 13                | 39         |
| Delaware                          | 61      | 91   | 5           | 4,165      | 4,686        | _       | 0   | 0         | 13   | 43         | _           | 0            | 1         | 13                | 39         |
| District of Columbia              | _       | 0    | 3           | 22         | 28           | -       | 0   | O         | _    | _          | -           | 0            | Ó         | _                 | _          |
| Florida                           | 49      | 28   | 87          | 1,486      | 1,143        | _       | 0   | 2         | 2    | 3          | -           | 0            | 0         | -                 | necession. |
| Georgia                           | N       | 0    | 0           | N          | N            |         | 0   | 1 2       | 3    | 23         | -           | 0            | 1 2       | 4 7               | 27         |
| Maryland¶<br>North Carolina       | N       | 0    | 0           | N          | N            | _       | 0   | 0         | 7    | 6          | _           | 0            | 0         |                   | 4          |
| South Carolina®                   | 3       | 15   | 66          | 759        | 987          | _       | 0   | Ó         | _    | 3          | Access      | 0            | 0         | -                 | 2          |
| Virginia <sup>¶</sup>             | 1       | 22   | 81          | 1,230      | 1,429        | -       | 0   | 0         | _    | 3          | _           | 0            | 1         | 1                 | 2          |
| West Virginia                     | 8       | 12   | 66          | 624        | 1,053        | -       | 0   | 1         | 1    | _          | _           | 0            | 0         | _                 |            |
| E.S. Central                      | 3       | 17   | 101         | 1,021      | 564          | _       | 0   | 9         | 56   | 74         | -           | 0            | 12        | 84                | 96         |
| Alabama <sup>¶</sup><br>Kentucky  | 3<br>N  | 16   | 101         | 1,008<br>N | 562<br>N     | _       | 0   | 3         | 11   | 17         | _           | 0            | 3         | 10                | 7          |
| Mississippi                       | _       | Ö    | 2           | 13         | 2            | _       | o   | 6         | 32   | 48         | _           | o            | 10        | 67                | 83         |
| Tennessee <sup>¶</sup>            | N       | 0    | 0           | N          | N            | -       | 0   | 1         | 10   | 5          | _           | 0            | 3         | 7                 | 6          |
| W.S. Central                      | 89      | 129  | 886         | 7,150      | 9,283        | -       | 0   | 7         | 56   | 268        | -           | 0            | 8         | 58                | 156        |
| Arkansas                          | _       | 9    | 38          | 514        | 680          | -       | 0   | 1         | 7 9  | 13<br>27   | _           | 0            | 6         | 27                | 12         |
| Louisiana<br>Oklahoma             | N       | 0    | 10          | 69<br>N    | 109<br>N     | _       | 0   | 2         | 2    | 59         | _           | 0            | 1         | 5                 | 47         |
| Texas                             | 89      | 125  | 852         | 6.567      | 8,494        | _       | 0   | 6         | 38   | 169        | _           | 0            | 4         | 24                | 90         |
| Mountain                          | 21      | 36   | 90          | 1.741      | 2,448        | -       | 0   | 12        | 99   | 288        | -           | 0            | 23        | 183               | 1,040      |
| Arizona                           | _       | 0    | 0           | -          | -            | _       | 0   | 10        | 62   | 49         | -           | 0            | 8         | 47                | 47         |
| Colorado                          | 16      | 14   | 43          | 778        | 976          | _       | 0   | 4         | 13   | 99         | _           | 0            | 12        | 64<br>30          | 477<br>120 |
| Idaho¶<br>Montana¶                | N       | 0    | 0<br>27     | N<br>290   | N<br>371     | _       | 0   | 1         | 3    | 11<br>37   | _           | 0            | 6 2       | 5                 | 165        |
| Nevada <sup>¶</sup>               | N       | 0    | 0           | N          | N            | _       | 0   | 2         | 9    | 2          | _           | 0            | 3         | 7                 | 10         |
| New Mexico <sup>¶</sup>           | _       | 4    | 22          | 185        | 363          | _       | 0   | 2         | 6    | 39         | _           | 0            | 1         | 3                 | 21         |
| Utah                              | 5       | 9    | 55          | 478        | 704          | _       | 0   | 2         | 6    | 28         | -           | 0            | 4         | 19                | 42         |
| Wyoming <sup>¶</sup>              | -       | 0    | 4           | 10         | 34           |         | 0   | 0         | -    | 23         | -           | 0            | 24        | 8                 | 158        |
| Pacific<br>Alaska                 | 2 2     | 2    | 8 5         | 120<br>63  | 65<br>35     | _       | 0   | 36        | 260  | 161        | _           | 0            | 0         | 157               | 245        |
| California                        | _       | Ó    | 0           | -          | -            | _       | o   | 36        | 256  | 154        | -           | 0            | 19        | 143               | 226        |
| Hawaii                            | _       | 1    | 6           | 57         | 30           | -       | 0   | 0         | -    | _          | _           | 0            | 0         | _                 | _          |
| Oregon¶                           | N       | 0    | 0           | N          | N            |         | 0   | 2         | 3    | 7          | -           | 0            | 4         | 13                | 19         |
| Washington                        | N       | 0    | 0           | N          | N            |         | 0   | 1         | 1    | _          | _           | 0            | 1         | 1                 |            |
| American Samoa<br>C.N.M.I.        | N       | 0    | 0           | N          | N            | _       | 0   | 0         | _    | _          | _           | 0            | 0         | _                 | -          |
| Guam                              | -       | 1    | 17          | 62         | 233          | _       | 0   | 0         | -    | _          | _           | 0            | 0         | -                 | _          |
| Puerto Rico                       | _       | 7    | 20          | 378        | 667          |         | 0   | 0         | _    | -          | -           | 0            | 0         | _                 | _          |
| U.S. Virgin Islands               | _       | 0    | 0           | _          | _            | _       | 0   | 0         | -    | _          | -           | 0            | 0         | _                 | _          |

C.N.M.I.: Commonwealth of Northern Mariana Islands.

-: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

\* Incidence data for reporting year 2008 are provisional.

\* Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). Data for California serogroup, eastern equine, Powassan, St. Louis, and western equine diseases are available in Table I.

\* Not notifiable in all states. Data from states where the condition is not notifiable are excluded from this table, except in 2007 for the domestic arboviral diseases and influenza-associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/epo/dphsi/phs/infdis.htm.

\* Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE III. Deaths in 122 U.S. cities,\* week ending November 22, 2008 (47th week)

| Reporting area   |       | cities,* week ending November 2<br>All causes, by age (years) |       |       |          |       |                           |                      | All causes, by age (years) |          |       |            |      |     |             |
|------------------|-------|---|-------|-------|----------|-------|---------------------------|----------------------|----------------------------|----------|-------|------------|------|-----|-------------|
|                  | All   | ≥65   | 45-64 | 25-44 | 1-24     | <1    | P&I <sup>†</sup><br>Total | Reporting area       | All<br>Ages                | ≥65      | 45-64 | 25-44      | 1-24 | <1  | P&I<br>Tota |
| lew England      | 8     | 355   | 115   | 23    | 7        | 8     | 52                        | S. Atlantic          | 1,303                      | 817      | 337   | 74         | 41   | 34  | 8           |
| loston, MA       | 141   | 79  | 47    | 10    | 1        | 4     | 14                        | Atlanta, GA          | 124                        | 71       | 32    | 12         | 6    | 3   |             |
| ridgeport, CT    | 38    | 27  | 7     | 2     | _        | 2     | 5                         | Baltimore, MD        | 236                        | 143      | 66    | 15         | 10   | 2   | 3           |
| ambridge, MA     | 8     | 7   | 1     | -     | _        | -     | 1                         | Charlotte, NC        | 117                        | 76       | 29    | 4          | 6    | 2   |             |
| all River, MA    | 32    | 32  | _     | -     | _        | -     | 10                        | Jacksonville, FL     | 165                        | 111      | 33    | 9          | 5    |     |             |
| artford, CT      | 56    | 41  | 10    | 2     | 3        | _     | 2                         | Miami, FL            | 93                         | 63       | 16    | 10         | 1    | 3   |             |
| owell, MA        | 21    | 14  | 7     | -     | _        | _     | 2                         | Norfolk, VA          | 51                         | 31       | 18    | metrodito. | 2    | -   |             |
| ynn, MA          | 0     | 0   | 0     | 0     | 0        | 0     | 0                         | Richmond, VA         | 62                         | 31       | 24    | 3          | _    | 4   |             |
| ew Bedford, MA   | 25    | 23  | 1     | 1     | -        | _     | 1                         | Savannah, GA         | 72                         | 47       | 19    | 2          | 1    | 3   |             |
| ew Haven, CT     | U     | U   | U     | U     | U        | U     | U                         | St. Petersburg, FL   | 55                         | 39       | 11    | 2          | 1    | 2   |             |
| rovidence, RI    | 52    | 38  | 10    | 4     | _        | -     | 6                         | Tampa, FL            | 211                        | 137      | 52    | 10         | 7    | 5   | 1           |
| omerville, MA    | 1     | 1   | _     | _     | _        | _     | _                         | Washington, D.C.     | 100                        | 56       | 33    | 6          | 2    | 3   |             |
| pringfield, MA   | 45    | 25  | 16    | 1     | 1        | 2     | 5                         | Wilmington, DE       | 17                         | 12       | 4     | 1          | -    | _   |             |
| /aterbury, CT    | 25    | 20  | 5     | _     | _        | -     | 1                         | E.S. Central         | 927                        | 603      | 240   | 45         | 17   | 21  |             |
| orcester, MA     | 64    | 48  | 11    | 3     | 2        | _     | 5                         |                      | 207                        | 130      | 53    | 14         | 5    | 4   |             |
|                  |       |   |       |       |          |       |                           | Birmingham, AL       |                            | 75       | 13    | 3          | 2    | 5   |             |
| lid. Atlantic    | 1,807 | 1,268   | 396   | 96    | 14       | 33    | 77                        | Chattanooga, TN      | 98                         |          | 34    |            |      | 2   |             |
| lbany, NY        | 46    | 28  | 12    | 3     | 1        | 2     | 1                         | Knoxville, TN        | 117                        | 76       |       | 4          | 1    | 2   |             |
| lentown, PA      | 31    | 22  | 5     | 4     | -        |       | 1                         | Lexington, KY        | 88                         | 59       | 22    | 5          | -    | 2   |             |
| uffalo, NY       | 74    | 47  | 19    | 6     | _        | 2     | 5                         | Memphis, TN          | 146                        | 88       | 48    | 8          | 2    | -   |             |
| amden, NJ        | 27    | 10  | 12    | 3     | 1        | 1     | 1                         | Mobile, AL           | 81                         | 54       | 20    | 3          | 1    | 3   |             |
| lizabeth, NJ     | 15    | 11  | 3     | 1     | -        | -     | _                         | Montgomery, AL       | 53                         | 36       | 11    | 2          |      | 3   |             |
| rie, PA          | 53    | 42  | 10    | -     | _        | 1     | 3                         | Nashville, TN        | 137                        | 85       | 39    | 6          | 5    | 2   |             |
| ersey City, NJ   | 12    | 9   | 3     | -     | -        | _     | -                         | W.S. Central         | 1.658                      | 1,023    | 424   | 120        | 52   | 39  |             |
| ew York City, NY | 1,181 | 831   | 269   | 53    | 11       | 17    | 37                        | Austin, TX           | 68                         | 44       | 14    | 6          | 2    | 2   |             |
| ewark, NJ        | 40    | 12  | 15    | 6     | -        | 7     | 2                         | Baton Rouge, LA      | 70                         | 37       | 20    | 13         | _    | -   |             |
| aterson, NJ      | 13    | 7   | 3     | 2     | -        | 1     | -                         | Corpus Christi, TX   | 59                         | 44       | 11    | 1          | 2    | 1   |             |
| hiladelphia, PA  | U     | U   | U     | U     | U        | U     | U                         | Dallas, TX           | 215                        | 110      | 65    | 18         | 12   | 10  |             |
| ittsburgh, PA§   | 34    | 26  | 6     | 1     | 1        | -1000 | 6                         | El Paso, TX          | 100                        | 71       | 19    | 6          | 3    | 1   |             |
| eading, PA       | 33    | 28  | 2     | 3     | Process. | _     | 2                         | Fort Worth, TX       | 112                        | 59       | 36    | 9          | 2    | 6   |             |
| lochester, NY    | 139   | 109   | 22    | 8     | _        | _     | 12                        | Houston, TX          | 440                        | 269      | 115   | 33         | 16   | 7   |             |
| chenectady, NY   | 17    | 14  | 2     | 1     | _        | -     | 2                         | Little Rock, AR      | 94                         | 64       | 19    | 6          | 4    | 1   |             |
| Scranton, PA     | 31    | 27  | 3     | _     | _        | 1     | 1                         |                      | U                          | U        | U     | Ü          | Ü    | Ú   |             |
| Syracuse, NY     | Ü     | Ü   | Ŭ     | U     | U        | Ü     | Ü                         | New Orleans, LA®     |                            |          | 74    |            |      | 10  |             |
| renton, NJ       | 28    | 20  | 5     | 2     | _        | 1     | _                         | San Antonio, TX      | 289                        | 176      |       | 22         | 7    |     |             |
| Jtica, NY        | 18    | 13  | 4     | 1     | _        | -     | 1                         | Shreveport, LA       | 69                         | 51       | 12    |            |      | 1   |             |
| onkers, NY       | 15    | 12  | 1     | 2     | _        |       | 3                         | Tulsa, OK            | 142                        | 98       | 39    | 2          | 3    | _   |             |
|                  |       |   |       |       |          |       |                           | Mountain             | 985                        | 659      | 228   |            | 18   | 23  |             |
| .N. Central      | 1,911 | 1,254   | 457   | 113   | 44       | 42    | 98                        | Albuquerque, NM      | 131                        | 93       | 25    | 10         | 1    | 2   |             |
| kron, OH         | 43    | 23  | 15    |       | -        | 1     | 5                         | Boise, ID            | 67                         | 49       | 11    | 3          | 1    | 3   |             |
| Canton, OH       | 47    | 38  | 6     |       | 1        | _     | 8                         | Colorado Springs, CO | 62                         | 45       | 11    | 2          | 2    | 2   |             |
| hicago, IL       | 114   | 69  | 26    |       | 3        | 4     | 8                         | Denver, CO           | 81                         | 47       | 24    | 8          | 2    | _   |             |
| Cincinnati, OH   | U     | U   | U     |       | U        | U     | U                         | Las Vegas, NV        | 288                        | 183      | 75    | 22         | 3    | 5   |             |
| Cleveland, OH    | 255   | 175   | 60    |       | 6        | 3     | 12                        | Ogden, UT            | 31                         | 18       | 8     | 2          | 2    | 1   |             |
| columbus, OH     | 205   | 128   | 49    |       | 5        | 5     | 6                         | Phoenix, AZ          | U                          | U        | U     |            | U    | U   |             |
| ayton, OH        | 135   | 98  | 26    |       | 5        | 1     | 11                        | Pueblo, CO           | 41                         | 26       | 13    |            | 1    | _   |             |
| Detroit, MI      | 185   | 86  | 66    | 17    | 7        | 9     | 6                         | Salt Lake City, UT   | 121                        | 82       | 26    |            | 2    | 5   |             |
| vansville, IN    | 45    | 35  | 9     | 1     | _        | _     | 3                         | Tucson, AZ           | 163                        | 116      | 35    |            | 4    | 5   |             |
| ort Wayne, IN    | 78    | 55  | 17    | 3     | 2        | 1     | 2                         |                      |                            |          |       |            |      |     |             |
| Bary, IN         | 17    | 8   | 6     |       | 1        | _     | _                         | Pacific              | 1,610                      | 1,108    | 339   |            | 38   | 34  |             |
| Grand Rapids, MI | 46    | 29  |       | 4     | 1        | 6     | 1                         | Berkeley, CA         | 16                         | 13       | 2     |            | _    | 1   |             |
| ndianapolis, IN  | 257   | 159   | 69    |       | 9        | 3     | 15                        | Fresno, CA           | U                          | U        | U     |            | U    | U   |             |
| ansing, MI       | 76    | 55  | 17    |       | 1        | 1     | 8                         | Glendale, CA         | 32                         | 26       | 6     |            | _    | -   |             |
| filwaukee, WI    | 98    | 65  | 25    |       | _        | 3     | 2                         | Honolulu, HI         | 64                         | 47       | 10    |            | 1    | 2   |             |
| eoria, IL        | 41    | 34  | 5     |       | _        | 2     | 3                         | Long Beach, CA       | 67                         | 37       | 26    | 1          | 2    | 1   |             |
| Rockford, IL     | 56    | 41  | 12    |       | _        | _     | 2                         | Los Angeles, CA      | 254                        | 167      | 52    | 18         | 9    | 8   |             |
| South Bend, IN   | 41    | 34  |       |       |          | 2     | 2                         | Pasadena, CA         | 23                         | 20       | 1     | _          | 2    | _   |             |
| oledo, OH        | 106   | 68  |       |       | 2        | 1     | 2                         | Portland, OR         | 122                        | 90       | 23    | 3 6        | 2    | 1   |             |
|                  | 66    | 54  |       |       | 1        | -     | 2                         | Sacramento, CA       | 195                        | 137      | 37    |            | 5    | 5   |             |
| oungstown, OH    | 66    | 54  | 10    |       |          |       |                           | San Diego, CA        | 166                        | 115      |       |            |      | 5   |             |
| V.N. Central     | 587   | 377   | 142   | 40    | 11       | 17    | 38                        | San Francisco, CA    | 119                        | 82       |       |            |      | 5   |             |
| Des Moines, IA   | 44    | 31  | 10    | ) —   | 1        | 2     | 3                         | San Jose, CA         | 181                        | 125      |       |            |      | -   |             |
| Duluth, MN       | 28    | 22  |       |       | _        | 1     | 4                         |                      | 35                         |          | 44    |            | 1    |     |             |
| Cansas City, KS  | 23    | 12  |       |       | _        | 1     | 4                         | Santa Cruz, CA       |                            | 27<br>78 |       |            |      | 5   |             |
| Cansas City, MO  | 117   | 72  |       |       | 2        |       |                           | Seattle, WA          | 135                        |          |       |            |      |     |             |
| incoln, NE       | 29    | 23  |       |       |          | 2     |                           | Spokane, WA          | 67                         | 50       |       |            |      | 1   |             |
| Minneapolis, MN  | 59    | 41  |       |       |          | 2     |                           | Tacoma, WA           | 134                        | 94       | 24    | 1 10       | 6    | -   |             |
| Omaha, NE        | 91    | 60  |       |       |          |       |                           | Total**              | 11,296                     | 7.464    | 2,678 | 658        | 242  | 251 |             |
| St. Louis, MO    | 75    | 29  |       |       |          |       |                           | 1                    | ,==0                       | -1104    | 2,01  |            |      |     |             |
|                  | 43    | 27  |       |       |          | -     | 3                         |                      |                            |          |       |            |      |     |             |
| St. Paul, MN     |       |   |       |       | - 1      | _     | _                         |                      |                            |          |       |            |      |     |             |

U: Unavailable. —:No reported cases.

\* Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of >100,000. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

Pneumonia and influenza.

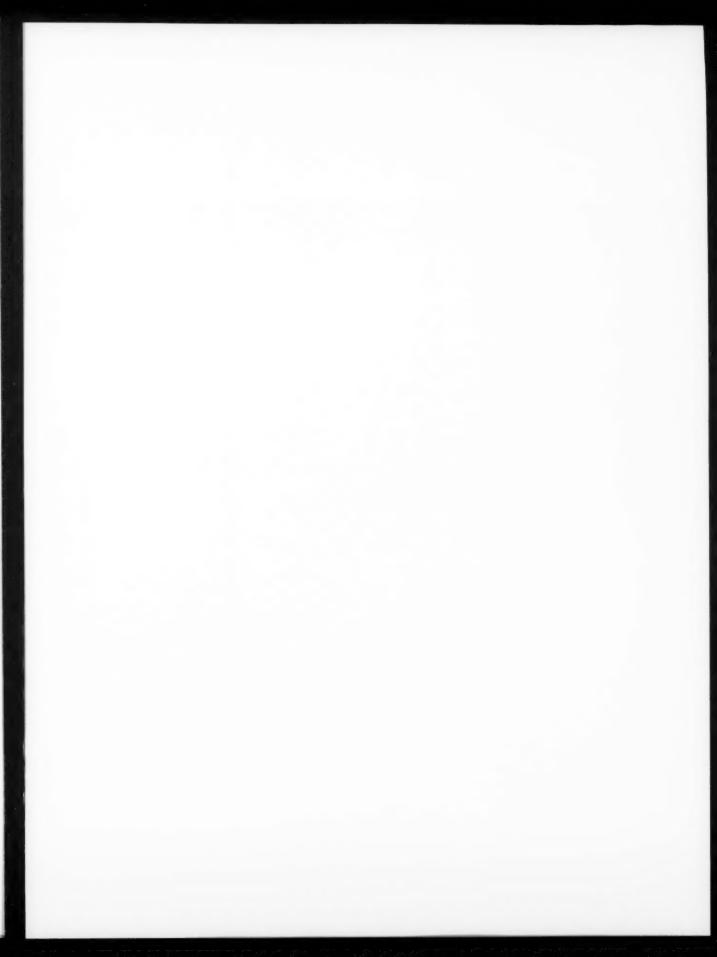
Peau death sale for included.

Pneumonia and influenza.

Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.

Total includes unknown ages.

Total includes unknown ages.



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